

# 4

## Traffic Operations Analysis

Measuring existing traffic volumes and projecting future traffic volumes quantifies traffic flow within the study area. To assess quality of flow, roadway capacity analyses were conducted with respect to Existing and projected No-Build and Build traffic volume conditions. Capacity analyses provide an indication of how well the roadway facilities serve the traffic demands placed upon them. Roadway operating conditions are classified by calculated levels of service.

---

### Level-Of-Service Criteria

Level-of-service (LOS) is the term used to denote the different operating conditions that occur on a given roadway segment under various traffic volume loads. It is a qualitative measure of a number of factors including roadway geometrics, speed, travel delay, freedom to maneuver, and safety. Level-of-service provides an index to the operational qualities of a roadway segment or an intersection. Level-of-service designations range from A to F, with LOS A representing the best operating conditions and LOS F representing the worst operating conditions.

For this study, capacity analyses were completed for the signalized and unsignalized intersections within the study area. Level-of-service designation is reported differently for signalized and unsignalized intersections. For signalized intersections, the analysis considers the operation of each lane or lane group entering the intersection and the LOS designation is for overall conditions at the intersection. For unsignalized intersections, the analysis assumes that traffic on the mainline is not affected by traffic on side streets. The LOS is only determined for left-turns from the main street and all movements from the minor street. The evaluation criteria used to analyze intersections is based on the *Highway Capacity Manual* (HCM)<sup>2</sup>.

---

### Signalized Intersection Capacity Analysis

Capacity analyses conducted for the two signalized intersections are summarized in Table 10. The capacity analyses were conducted for 2008 Existing, 2013 No-Build

♦  
2 Highway Capacity Manual; Transportation Research Board; Washington D.C.; 2000.

and 2013 Build conditions. The Build condition analysis assumes the addition of existing CVS traffic at the signal without any accompanying improvements to the intersection except for the signalization of the driveway. The mitigation section of this report considers the additional improvements that will be implemented by the project.

**Table 10**  
**Worcester Turnpike (Route 9)/ Overbrook drive**  
**Signalized Intersection Capacity Analysis Summary**

Period	2008 Existing Conditions			2013 No-Build Conditions			2013 Build Conditions		
	V/C <sup>a</sup>	Delay <sup>b</sup>	LOS <sup>c</sup>	V/C	Delay	LOS	V/C	Delay	LOS
Weekday Evening	0.85	18	B	0.98	52	D	0.92	62	E
Saturday Midday	0.86	36	D	0.98	93	F	0.99	99	F

a volume to capacity ratio

b average delay in seconds per vehicle

c level of service

The intersection of Worcester Turnpike (Route 9) /Overbrook Drive is projected to operate at poor LOS with or without the proposed CVS. Regardless, to improve operating conditions and to enhance access to the site, the proponent is proposing significant improvements to this location as discussed later in this report.

## Unsignalized Intersection Capacity Analysis

In addition to the four offsite unsignalized intersections analyzed in this study, the proposed unsignalized site driveway was analyzed for 2008 Existing, 2013 No Build Conditions and 2013 Build conditions. The results of the analyses are shown in Table 11.

It should be noted that the analytical methodologies typically used for the analysis of unsignalized intersections use conservative analysis parameters such as high critical gaps. Actual field observations indicate that drivers on minor streets and driveways generally accept smaller gaps in traffic than the default values used in the analysis procedures and therefore experience less delay than reported by the analysis software. Also, the analysis methodologies do not fully take into account the beneficial grouping or platooning effects caused by the nearby signalized intersections. The net effect of these analysis procedures is the over-estimation of calculated delays at unsignalized intersections in the study area. Cautious judgment should therefore be exercised when interpreting the capacity analysis results at unsignalized intersections.

The unsignalized intersection capacity analysis summary in Table 11 indicates that all of the stop-controlled approaches at the Route 9/Weston Road interchange

operate at poor LOS during the peak hours. This is due to the high traffic volumes on Route 9 and Weston Road. As mentioned above, the analysis methodologies do not fully take into account the beneficial grouping or platooning effects caused by the nearby signalized intersection. Regardless, the proposed CVS is expected to add only five or fewer vehicles to any of the ramps even under peak hour conditions.

**Table 11**  
**Unsignalized Intersection Capacity Analysis Summary**

Location	Peak period	2008 Existing Conditions				2013 No-Build Conditions				2013 Build Conditions			
		Dem	V/C*	Del**	LOS***	Dem	V/C	Del	LOS	Dem	V/C	Del	LOS
Route 9 EB @ Weston Road Ramp													
Weekday Afternoon		275	>1.2	>120	F	295	>1.2	>120	F	295	>1.2	>120	F
Saturday Midday		245	0.99	89	F	265	>1.2	>120	F	265	>1.2	>120	F
Weston Road @ Route 9 EB Ramp													
Weekday Afternoon		260	>1.2	>120	F	415	>1.2	>120	F	420	>1.2	>120	F
Saturday Midday		275	>1.2	>120	F	455	>1.2	>120	F	460	>1.2	>120	F
Route 9 WB @ Amherst Ave													
Weekday Afternoon		75	0.59	56	F	85	0.98	>120	F	85	1.00	>120	F
Saturday Midday		135	0.65	49	E	135	0.92	111	F	135	0.94	120	F
Route 9 WB @ Service Road													
Weekday Afternoon		165	>1.2	>120	F	310	>1.2	>120	F	315	>1.2	>120	F
Saturday Midday		265	>1.2	>120	F	430	>1.2	>120	F	435	>1.2	>120	F
Route 9 WB @ Right-only Exit Driveway													
Weekday Afternoon		neg	n/a	n/a	n/a	neg	n/a	n/a	n/a	5	0.02	19	C
Saturday Midday		neg	n/a	n/a	n/a	neg	n/a	n/a	n/a	5	0.01	14	B

Dem = Minor Street Demand

\* V/C = Volume to Capacity Ratio

\*\* average delay in seconds per vehicle

\*\*\* Level of service.

n/a = Not applicable under condition

Wellesley Travel Inn site. Any proposed improvements to Route 9, such as those discussed in this document, would be subject to MassHighway review and approval.

## Cross Connection to Adjacent Parcel

The Town of Wellesley has expressed a desire to provide a cross-connection between the proposed CVS and the development at the Wellesley Travel Inn sites. Doing so would allow vehicles from the adjacent parcel with a westbound destination to travel through the CVS site and take a left onto Route 9 Westbound at a signal instead of reversing direction at the Route 9/Weston Road ramps. This potential cross-connection is a condition of approval for the adjacent Wellesley Travel Inn project at 978 Worcester Turnpike and has also been analyzed as part of this assessment.

The 2013 Build – With Cross-Connection traffic volume networks are illustrated in Figure 6 for the weekday evening and Saturday midday peak hours. Tables 13 and 14 provide the results of the capacity analysis for this alternative.

**Table 13**  
**Signalized Capacity Analysis Summary**  
**Worcester Turnpike (Route 9)/ Overbrook Drive – With Cross-Connection**

Period	2013 Build Conditions – With Cross-Connection			2013 Build Conditions with Signal Timing Adjustments – With Cross-Connection		
	V/C <sup>a</sup>	Delay <sup>b</sup>	LOS <sup>c</sup>	V/C	Delay	LOS
Weekday Evening	1.02	68	E	1.05	52	D
Saturday Midday	1.06	118	F	1.05	76	E

a volume to capacity ratio

b average delay in seconds per vehicle

c level of service

A comparison of the results in Table 13 with the results in Table 12 indicate that at the signalized intersection of Route 9/Overbrook Drive, the additional traffic from the adjacent parcel due to the cross-connection will contribute to further reductions in capacity at the signalized intersection. With the cross-connection and the proposed signal timing adjustments, overall operations at the intersection of Route 9/ Overbrook Drive are projected to be LOS D and E, respectively, during the weekday evening and Saturday midday peak hours.

## 5

# Mitigation

This chapter describes several traffic mitigation measures that have been identified to address existing deficiencies and to minimize the traffic impacts of this project.

## Intersection/ Roadway Mitigation

In addition to the signalization of the site driveway, which was analyzed in the previous section, additional improvements are proposed. To offset the impact of the project at the intersection of Worcester Road/ Overbrook Drive, adjustments to the traffic signal timing and phasing are proposed to improve the operation. As part of this project, the Proponent will optimize the traffic timing and phasing at this intersection to help ensure maximum efficiency of operations during peak hour traffic conditions. Currently, the Route 9 through phase is only receiving 53% to 59% of the total cycle length. Under the optimized plan, in addition to optimizing the cycle length, the Route 9 phase will receive approximately two-thirds of the cycle length. Table 12 demonstrates the expected operations at this intersection with the optimized timing and phasing plan.

**Table 12**  
**Worcester Turnpike (Route 9)/ Overbrook Drive**  
**Mitigation Capacity Analysis Summary**

Period	2013 No-Build Conditions			2013 Build Conditions			2013 Build Conditions with Signal Timing Adjustments		
	V/C <sup>a</sup>	Delay <sup>b</sup>	LOS <sup>c</sup>	V/C	Delay	LOS	V/C	Delay	LOS
Weekday Evening	0.98	52	D	0.92	62	E	0.97	52	D
Saturday Midday	0.98	93	F	0.99	99	F	0.97	45	D

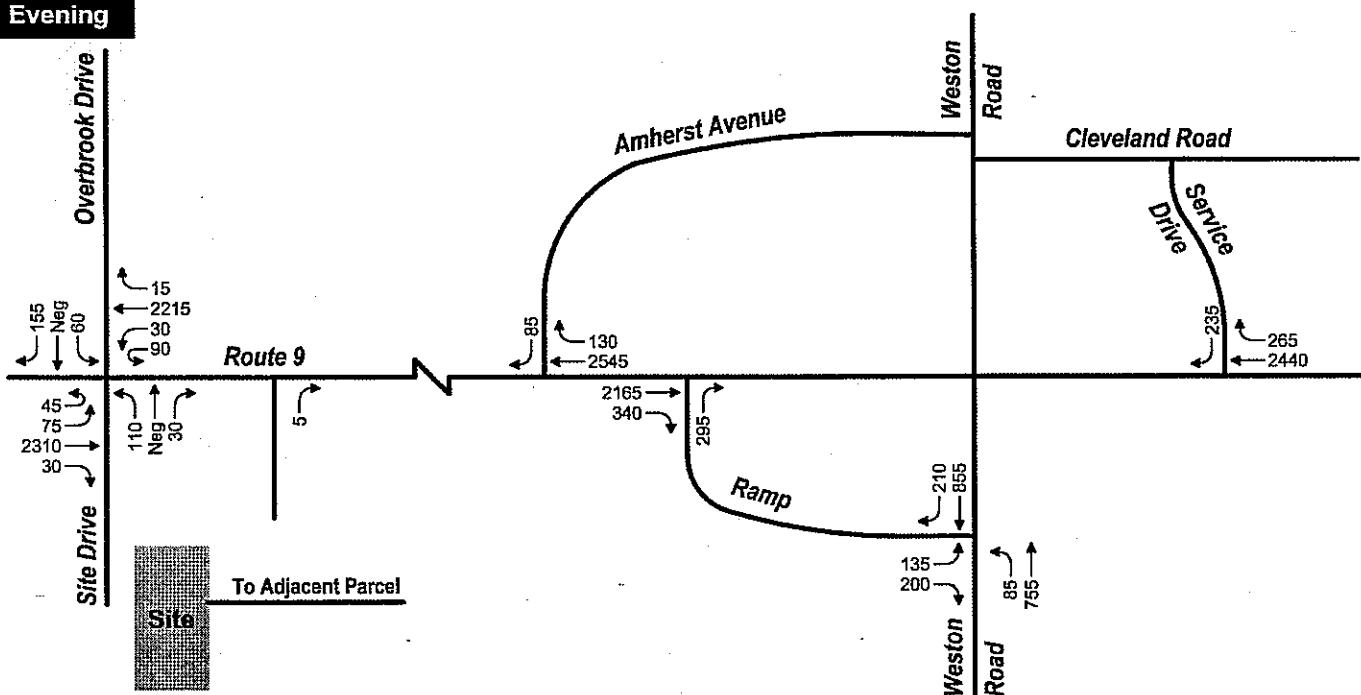
a volume to capacity ratio

b average delay in seconds per vehicle

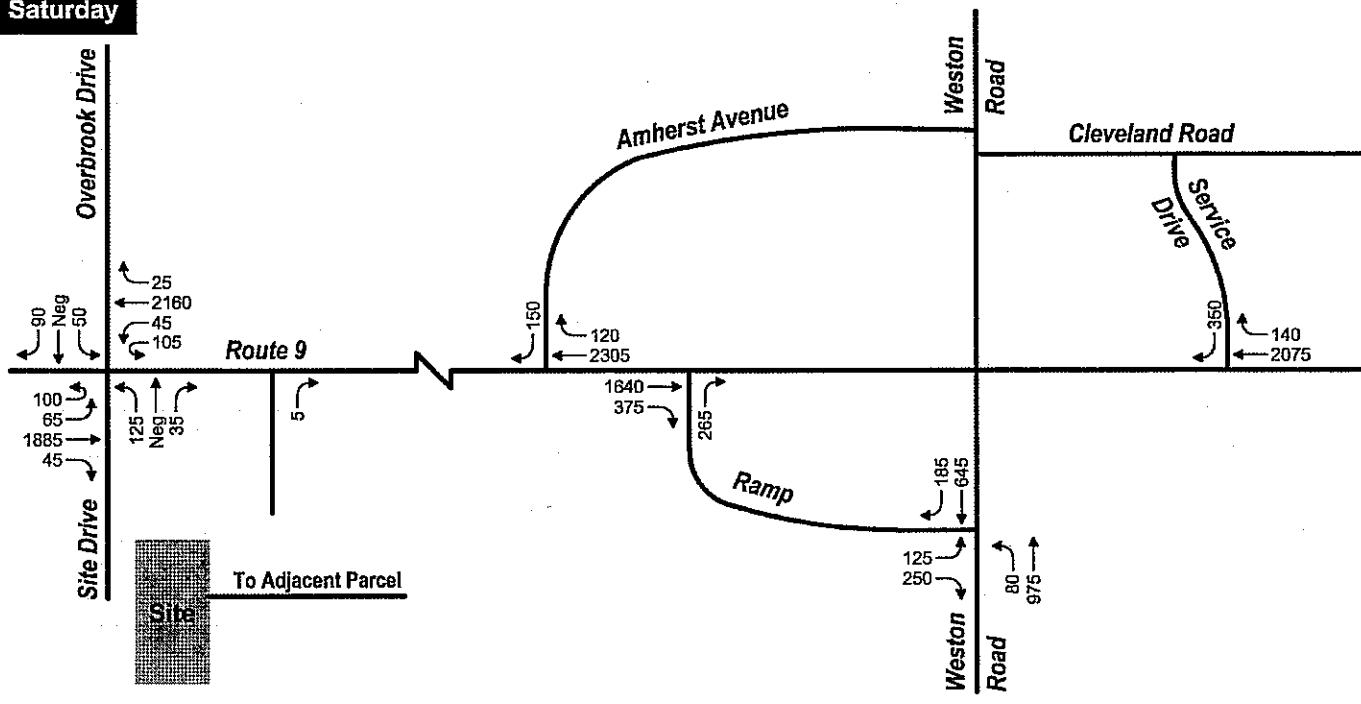
c level of service

As Table 12 indicates, traffic operations at the above intersections can be expected to improve over the 2013 No Build condition with the implementation of the proposed signal phasing and timing adjustments. In addition, the traffic signal equipment at this location will be upgraded to accommodate the CVS driveway and the adjacent

**Evening**



**Saturday**



Not to Scale

Vanasse Hangen Brustlin, Inc.

2013 Build - With Cross Connection  
Weekday Evening and Saturday Midday  
Peak Hour Traffic Volumes

Figure 6

Proposed CVS Pharmacy  
Wellesley, Massachusetts

**Table 14**  
**Unsignalized Intersection Capacity Analyses – With Cross-Connection**

2013 Build Conditions – With Cross Connection					
Location	Peak period	Dem	V/C*	Del**	LOS***
Route 9 EB @ Weston Road Ramp					
Weekday Afternoon	295	>1.2	>120		F
Saturday Midday	265	>1.2	>120		F
Weston Road @ Route 9 EB Ramp					
Weekday Afternoon	340	>1.2	>120		F
Saturday Midday	375	>1.2	>120		F
Route 9 WB @ Amherst Ave					
Weekday Afternoon	85	0.93	>120		F
Saturday Midday	135	0.87	99		F
Route 9 WB @ Service Road					
Weekday Afternoon	230	>1.2	>120		F
Saturday Midday	350	>1.2	>120		F
Route 9 WB @ Right-only Exit Driveway					
Weekday Afternoon	5	0.02	20		C
Saturday Midday	5	0.01	13		B

Dem Minor Street Demand

\* V/C = Volume to Capacity Ratio

\*\* average delay in seconds per vehicle

\*\*\* Level of service.

A comparison of the results in Table 14 with the results in Table 11 indicate that at the unsignalized intersections at the Route 9/Weston road interchange, the operations with the cross-connection in place will be slightly better than under No-Build conditions. This is due to the re-routing of traffic from the adjacent parcel away from Weston Road and using the new cross-connection to access Route 9 westbound.

# 6

## Conclusion

The proposed redevelopment is projected to generate approximately 95 and 125 net new vehicle trips to the area during the weekday evening and Saturday midday peak hour, respectively. The trip generation estimates were conservatively developed using a standard 25 percent pass-by rate, though available data indicate that a pharmacy draws a much higher percentage of its business from existing traffic on adjacent roadways during the peak hours analyzed. While the site was formerly used as a car dealership and can continue to do so with minimal permitting, no "credit" was taken for the traffic associated with that as-of-right re-use of the existing buildings.

The proposed access points to the site will be designed both to provide safe access for vehicles and allow pedestrian activity along the site frontage. The sidewalk along Worcester Turnpike will be reconstructed and the existing crosswalk across Worcester Turnpike will be upgraded and realigned. In addition, the traffic signal equipment at this location will be upgraded to accommodate the CVS driveway.

A number of project and non-project related improvements are proposed, which will offset the impact of the proposed project and will improve the operation at the Route 9 /Weston Road Ramps. These consist of the following improvements:

➤ CVS Related Improvements

- Signalizing site driveway.
- Upgrading traffic signal equipment at Worcester Turnpike/Overbrook Drive. This will entail installing the necessary equipment above and beyond that already planned as part of the Wellesley Travel Inn redevelopment so as to accommodate exiting traffic from the CVS site.
- Adjusting traffic signal timing.

➤ Wellesley Travel Inn Related Improvements

- Upgrading traffic signal equipment, striping, and wheelchair ramps at Worcester Turnpike/Overbrook Drive.

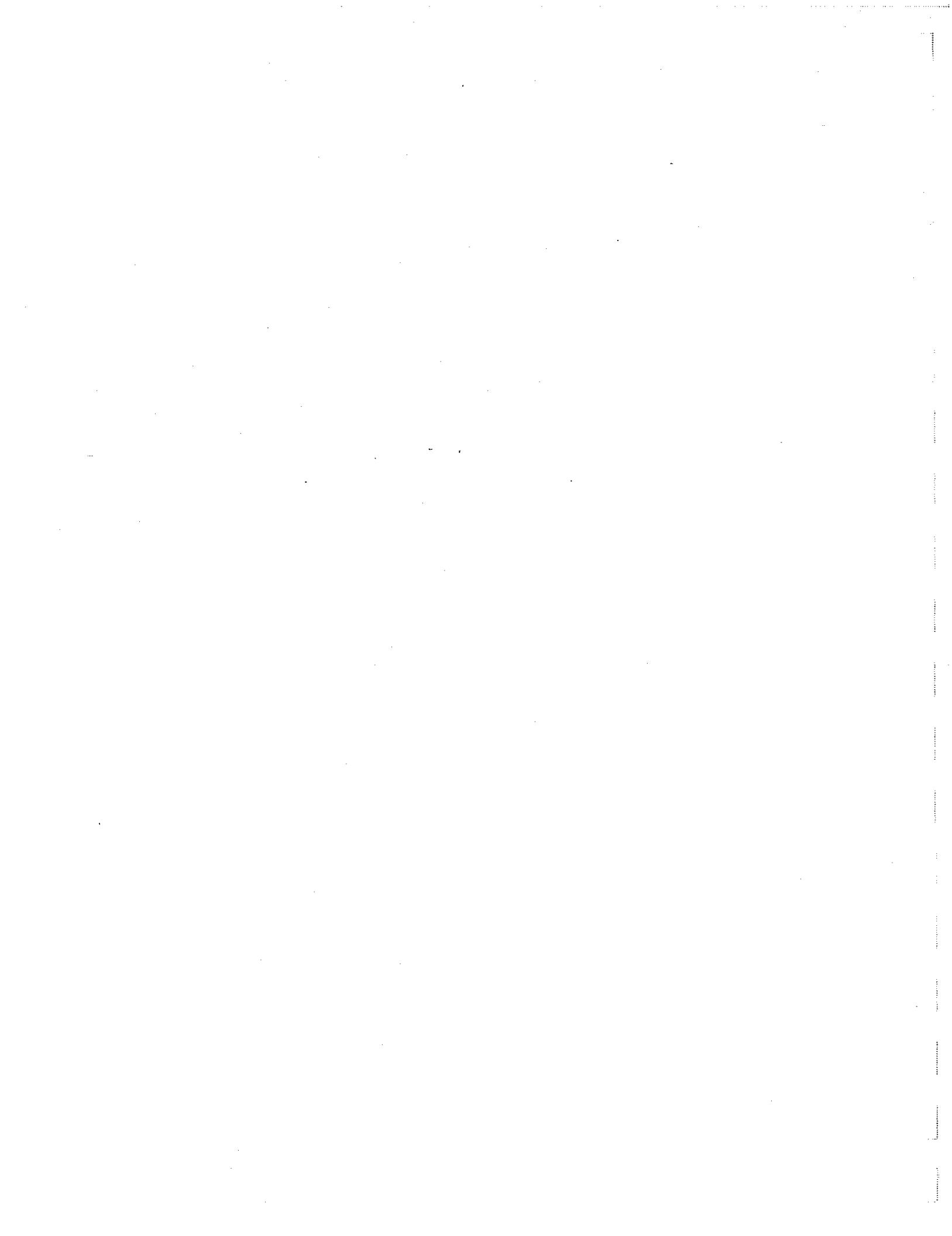
➤ MassHighway Improvements

- Major roadway and intersection improvement from Route 9/Oak Street in Natick to Worcester Turnpike/Overbrook Drive in Wellesley. (Exact improvements are unknown at this time.)

➤ Cross-Connection Between Parcels

- Although this connection will increase delay at the Worcester Turnpike/Overbrook Drive signalized intersection, this cross-connection will provide benefits to the Worcester Turnpike/ Weston Road ramps by redirecting exiting Wellesley Travel Inn traffic through the CVS to Route 9 westbound.

It is the finding of this assessment that with the project-related improvements in place, the proposed CVS Pharmacy will not have a detrimental impact to traffic operations in the study area



---

## Appendix

- Traffic Volume Data
- Crash Analysis Data
- Background Projects
- Trip Generation
- 2008 Existing Capacity Analyses
- 2013 No Build Capacity Analyses
- 2013 Build Capacity Analyses
- 2013 Build Capacity Analyses – With Mitigation
- 2013 Build Capacity Analyses – With Cross Connection



*Vanasse Hangen Brustlin, Inc.*

---

## Traffic Volume Data



PRECISION  
D A T A  
INDUSTRIES, LLC

P.O.Box 301 Berlin, MA 01503  
Office: 508.481.3999 Fax: 508.545.1234  
Email: datarequests@pdilic.com

Worcester Road (Route 9)  
east of Overbrook Drive  
City, State : Wellesley, MA  
Client : VHB/ A. Cloutier

81540Avolume  
Site Code: 09733.26

Start Time	EB		WB		Combined		03-Apr-08	
	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.	Thu	
12:00	25	394	56	438	81	832		
12:15	21	365	34	388	55	753		
12:30	24	408	29	454	53	862		
12:45	17	87	322	1489	23	142	411	1691
01:00	14	420	24	380	38	800		
01:15	14	364	17	410	31	774		
01:30	18	363	17	394	35	757		
01:45	12	58	396	1543	20	78	398	1582
02:00	4	450	11	404	15	854		
02:15	10	444	15	428	25	872		
02:30	9	427	10	416	19	843		
02:45	5	28	426	1747	11	47	416	1664
03:00	11	478	8	488	16	75	842	3411
03:15	9	418	7	507	19		966	
03:30	11	422	8	525	16		925	
03:45	16	47	392	1710	6	29	500	2020
04:00	24	428	8	523	22	76	892	3730
04:15	26	440	8	478	34		951	
04:30	30	468	18	443	48		918	
04:45	47	127	498	1834	26	60	500	1944
05:00	70	498	35	472	73	187	998	3778
05:15	84	513	48	407	105		970	
05:30	132	524	62	470	132		920	
05:45	156	442	486	2021	112	257	454	1803
06:00	224	483	120	472	1803		268	699
06:15	352	422	185	518	22		940	3824
06:30	474	410	236	442	710		537	
06:45	566	1616	346	1661	267	808	426	1858
07:00	594	314	338	351	833	2424	772	3519
07:15	615	290	362	366	932		665	
07:30	657	242	409	306	977		656	
07:45	548	2414	285	1131	434	1543	312	1335
08:00	656	280	487	1543	262		1143	542
08:15	580	272	422	1489	276		1002	548
08:30	615	252	426	1489	216		468	
08:45	572	2423	214	1018	446	1781	190	944
09:00	584	224	403	1781	222		1041	404
09:15	411	226	362	1489	218		4204	1962
09:30	366	220	366	1489	194		987	446
09:45	372	1733	182	852	358		773	444
10:00	358	160	316	1489	156	790	730	3222
10:15	346	150	338	1489	115		674	338
10:30	356	120	337	1489	150		684	1642
10:45	330	1390	76	506	355	1346	108	693
11:00	346	92	343	1346	94	467	685	2736
11:15	354	62	375	1346	90		689	170
11:30	326	74	396	1346	73		729	973
11:45	349	1375	32	260	424	1538	81	135
Total	11740		15772		9118		16410	20858
Percent	56.3%		49.0%		43.7%		51.0%	32182

Day Total	27512	25528	53040
-----------	-------	-------	-------

Peak Vol.	07:15	04:45	08:00	03:15	08:00	04:45
	2476	2033	1781	2055	4204	3882
P.H.F.	0.942	0.970	0.914	0.979	0.920	0.972



Worcester Road (Route 9)  
east of Overbrook Drive  
City, State : Wellesley, MA  
Client : VHB/ A. Cloutier

P.O. Box 301 Berlin, MA 01503  
Office: 508.481.3999 Fax: 508.545.1234  
Email: datarequests@pdillc.com

81540A volume  
Site Code: 09733.26

Start Time	EB		WB		Combined		05-Apr-08 Sat
	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.	
12:00	78	368	78	484	156	852	
12:15	40	371	57	480	97	851	
12:30	44	392	52	520	96	912	
12:45	31	193	428	1559	45	232	454 1938 76 425 882 3497
01:00	39	407	40	498	79		905
01:15	22	363	44	497	66		860
01:30	23	426	39	442	62		868
01:45	28	112	394	1590	30	153	496 1933 58 265 890 3523
02:00	20	418	25	487	45		905
02:15	14	416	25	512	39		928
02:30	15	440	25	509	40		949
02:45	7	56	410	1684	18	93	474 1982 25 149 884 3666
03:00	16	422	26	480	42		902
03:15	10	454	12	472	22		926
03:30	10	472	12	500	22		972
03:45	9	45	454	1802	19	69	499 1951 28 114 953 3753
04:00	10	412	8	460	18		872
04:15	23	483	12	448	35		931
04:30	15	486	12	430	27		916
04:45	29	77	489	1870	16	48	444 1782 45 125 933 3652
05:00	23	524	7	424	30		948
05:15	31	498	14	416	45		914
05:30	28	450	27	382	55		832
05:45	50	132	476	1948	27	75	401 1623 77 207 877 3571
06:00	72	446	30	370	102		816
06:15	102	462	47	368	149		830
06:30	115	434	67	332	182		766
06:45	154	443	444	1786	64	208	309 1379 218 651 753 3165
07:00	146	398	87	315	233		713
07:15	147	370	103	330	250		700
07:30	197	348	143	264	340		612
07:45	200	690	306	1422	201	534	254 1163 401 1224 560 2585
08:00	202	325	170	247	372		572
08:15	222	292	218	228	440		520
08:30	248	312	266	182	514		494
08:45	281	953	270	1199	314	968	190 847 595 1921 460 2046
09:00	234	286	314	160	548		446
09:15	263	262	330	156	593		418
09:30	266	261	368	152	634		413
09:45	306	1069	244	1053	428	1440	127 595 734 2509 371 1648
10:00	269	282	394	126	663		408
10:15	314	232	388	167	702		399
10:30	303	238	384	150	687		388
10:45	318	1204	180	932	439	1605	162 605 757 2809 342 1537
11:00	314	150	422	136	736		286
11:15	338	140	441	146	779		286
11:30	382	112	463	130	845		242
11:45	363	1397	99	501	480	1806	123 535 843 3203 222 1036
Total	6371	17346	7231	16333	13602		33679
Percent	46.8%	51.5%	53.2%	48.5%			

Day Total	23717	23564	47281
-----------	-------	-------	-------

Peak Vol.	11:00 1397	04:30 1997	11:00 1806	01:45 2004	11:00 3203	03:00 3753
P.H.F.	0.914	0.953	0.941	0.979	0.948	0.965



PRECISION  
DATA  
INDUSTRIES, LLC

P.O. Box 301 Berlin, MA 01503  
Office: 508.481.3999 Fax: 508.545.7234  
Email: datarequests@pdilic.com

N/S: Overbrook Drive/ Parking Lot  
E/W: Worcester Road (Route 9)  
City, State: Wellesley, MA  
Client: VHB/ A. Cloutier

File Name : 81540A  
Site Code : 09733.26  
Start Date : 4/3/2008  
Page No : 1

Groups Printed- Cars - Heavy Vehicles

	Overbrook Drive From North			Worcester Road (Route 9) From East				Parking Lot From South			Worcester Road (Route 9) From West				
Start Time	Right	Thru	Left	Right	Thru	Left	U-Turn	Right	Thru	Left	Right	Thru	Left	U-Turn	Int. Total
04:00 PM	16	0	12	8	507	0	9	1	0	1	0	415	18	9	996
04:15 PM	13	0	13	3	515	0	6	1	0	0	1	445	14	9	1020
04:30 PM	31	0	23	5	452	0	5	0	0	0	0	455	14	9	994
04:45 PM	39	0	16	1	496	0	7	0	0	0	0	490	16	12	1077
Total	99	0	64	17	1970	0	27	2	0	1	1	1805	62	39	4087
05:00 PM	33	0	18	7	490	0	8	0	0	0	0	475	17	7	1055
05:15 PM	43	0	13	5	468	0	6	0	0	0	0	493	16	13	1057
05:30 PM	28	0	10	0	494	0	1	0	0	0	0	500	20	10	1063
05:45 PM	34	0	6	1	464	0	3	0	0	0	0	496	10	8	1022
Total	138	0	47	13	1916	0	18	0	0	0	0	1964	63	38	4197
Grand Total	237	0	111	30	3886	0	45	2	0	1	1	3769	125	77	8284
Apprch %	68.1	0	31.9	0.8	98.1	0	1.1	66.7	0	33.3	0	94.9	3.1	1.9	
Total %	2.9	0	1.3	0.4	46.9	0	0.5	0	0	0	0	45.5	1.5	0.9	
Cars	232	0	105	30	3808	0	44	2	0	1	1	3723	125	77	8148
% Cars	97.9	0	94.6	100	98	0	97.8	100	0	100	100	98.8	100	100	98.4
Heavy Vehicles	5	0	6	0	78	0	1	0	0	0	0	46	0	0	136
% Heavy Vehicles	2.1	0	5.4	0	2	0	2.2	0	0	0	0	1.2	0	0	1.6

	Overbrook Drive From North			Worcester Road (Route 9) From East				Parking Lot From South			Worcester Road (Route 9) From West								
Start Time	Right	Thru	Left	App. Total	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	App. Total	Right	Thru	Left	U-Turn	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																			
Peak Hour for Entire Intersection Begins at 04:45 PM																			
04:45 PM	39	0	16	55	1	496	0	7	504	0	0	0	0	0	490	16	12	518	1077
05:00 PM	33	0	18	51	7	490	0	8	505	0	0	0	0	0	475	17	7	499	1055
05:15 PM	43	0	13	56	5	468	0	6	479	0	0	0	0	0	493	16	13	522	1057
05:30 PM	28	0	10	38	0	494	0	1	495	0	0	0	0	0	500	20	10	530	1063
Total Volume	143	0	57	200	13	1948	0	22	1983	0	0	0	0	0	1958	69	42	2069	4252
% App. Total	71.5	0	28.5	0.7	98.2	0	1.1	0	0	0	0	94.6	3.3	2					
PHF	.831	.000	.792	.893	.464	.982	.000	.688	.982	.000	.000	.000	.000	.000	.979	.863	.808	.976	.987
Cars	140	0	53	193	13	1915	0	22	1950	0	0	0	0	0	1939	69	42	2050	4193
% Cars	97.9	0	93.0	96.5	100	98.3	0	100	98.3	0	0	0	0	0	99.0	100	100	99.1	98.6
Heavy Vehicles	3	0	4	7	0	33	0	0	33	0	0	0	0	0	19	0	0	19	59
% Heavy Vehicles	2.1	0	7.0	3.5	0	1.7	0	0	1.7	0	0	0	0	0	1.0	0	0	0.9	1.4



N/S: Overbrook Drive/ Parking Lot  
 E/W: Worcester Road (Route 9)  
 City, State: Wellesley, MA  
 Client: VHB/ A. Cloutier

P.O.Box 301 Berlin,MA 01503  
 Office: 508.481.3999 Fax: 508.545.1234  
 Email: datarequests@pdilc.com

File Name : 81540A  
 Site Code : 09733.26  
 Start Date : 4/3/2008  
 Page No : 1

**Groups Printed- Heavy Vehicles**

	Overbrook Drive From North			Worcester Road (Route 9) From East				Parking Lot From South			Worcester Road (Route 9) From West				Int. Total	
	Start Time	Right	Thru	Left	Right	Thru	Left	U-Turn	Right	Thru	Left	Right	Thru	Left	U-Turn	
04:00 PM		0	0	0	0	8	0	1	0	0	0	0	9	0	0	18
04:15 PM		0	0	0	0	16	0	0	0	0	0	0	9	0	0	25
04:30 PM		2	0	1	0	11	0	0	0	0	0	0	5	0	0	19
04:45 PM		0	0	1	0	8	0	0	0	0	0	0	8	0	0	17
Total		2	0	2	0	43	0	1	0	0	0	0	31	0	0	79
05:00 PM		2	0	2	0	9	0	0	0	0	0	0	4	0	0	17
05:15 PM		1	0	1	0	8	0	0	0	0	0	0	2	0	0	12
05:30 PM		0	0	0	0	8	0	0	0	0	0	0	5	0	0	13
05:45 PM		0	0	1	0	10	0	0	0	0	0	0	4	0	0	15
Total		3	0	4	0	35	0	0	0	0	0	0	15	0	0	57
Grand Total		5	0	6	0	78	0	1	0	0	0	0	46	0	0	136
Apprch %		45.5	0	54.5	0	98.7	0	1.3	0	0	0	0	100	0	0	
Total %		3.7	0	4.4	0	57.4	0	0.7	0	0	0	0	33.8	0	0	

	Overbrook Drive From North				Worcester Road (Route 9) From East				Parking Lot From South			Worcester Road (Route 9) From West				Int. Total			
	Start Time	Right	Thru	Left	App. Total	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total				
<b>Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1</b>																			
Peak Hour for Entire Intersection Begins at 04:00 PM																			
04:00 PM		0	0	0	0	0	8	0	1	9	0	0	0	0	9	0	0	9	18
04:15 PM		0	0	0	0	0	16	0	0	16	0	0	0	0	9	0	0	9	25
04:30 PM		2	0	1	3	0	11	0	0	11	0	0	0	0	5	0	0	5	19
04:45 PM		0	0	1	1	0	8	0	0	8	0	0	0	0	8	0	0	8	17
Total Volume		2	0	2	4	0	43	0	1	44	0	0	0	0	31	0	0	31	79
% App. Total		50	0	50	0	97.7	0	2.3	0	0	0	0	100	0	0				
PHF		.250	.000	.500	.333	.000	.672	.000	.250	.688	.000	.000	.000	.000	.861	.000	.000	.861	.790



PRECISION  
DATA  
INDUSTRIES,LLC

N/S: Overbrook Drive/ Parking Lot  
E/W: Worcester Road (Route 9)  
City, State: Wellesley, MA  
Client: VHB/ A. Cloutier

P.O. Box 301 Berlin, MA 01503  
Office: 508.481.3999 Fax: 508.545.1234  
Email: datarequests@pdilc.com

File Name : 81540A  
Site Code : 09733.26  
Start Date : 4/3/2008  
Page No : 1

Groups Printed- Peds and Bicycles

Start Time	Overbrook Drive From North				Worcester Road (Route 9) From East				Parking Lot From South				Worcester Road (Route 9) From West				Int. Total
	Right	Thru	Left	Peds	Right	Thru	Left	Peds	Right	Thru	Left	Peds	Right	Thru	Left	Peds	
04:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:15 PM	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	2
04:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	2
05:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:15 PM	0	0	0	2	0	0	0	1	0	0	0	0	0	1	0	0	4
05:30 PM	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
05:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	3	0	0	0	1	0	0	0	0	0	1	0	0	5
Grand Total	0	0	0	4	0	0	0	1	0	0	0	0	0	2	0	0	7
Apprch %	0	0	0	100	0	0	0	100	0	0	0	0	0	100	0	0	0
Total %	0	0	0	57.1	0	0	0	14.3	0	0	0	0	0	28.6	0	0	0

Start Time	Overbrook Drive From North				Worcester Road (Route 9) From East				Parking Lot From South				Worcester Road (Route 9) From West				Int. Total	
	Right	Thru	Left	Peds	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																		
Peak Hour for Entire Intersection Begins at 04:45 PM																		
04:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:15 PM	0	0	0	2	2	0	0	0	1	1	0	0	0	0	0	1	0	1
05:30 PM	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	4
Total Volume	0	0	0	3	3	0	0	0	1	1	0	0	0	0	0	1	0	1
% App. Total	0	0	0	100	0	0	0	100	0	0	0	0	0	0	100	0	0	5
PHF	.000	.000	.000	.375	.375	.000	.000	.000	.250	.250	.000	.000	.000	.000	.000	.250	.000	.250

313



N/S: Overbrook Drive/ Parkling Lot  
 E/W: Worcester Road (Route 9)  
 City, State: Wellesley, MA  
 Client: VHB/ A. Cloutier

P.O.Box 301 Berlin, MA 01503  
 Office: 508.481.3999 Fax: 508.545.1234  
 Email: datarequests@pdilc.com

File Name : 81540AA  
 Site Code : 09733.26  
 Start Date : 4/5/2008  
 Page No : 1

**Groups Printed- Cars - Heavy Vehicles**

Start Time	Overbrook Drive From North			Worcester Road (Route 9) From East				Parking Lot From South			Worcester Road (Route 9) From West				Int. Total
	Right	Thru	Left	Right	Thru	Left	U-Turn	Right	Thru	Left	Right	Thru	Left	U-Turn	
11:00 AM	20	0	11	9	385	0	7	1	0	0	0	296	8	17	754
11:15 AM	20	0	16	8	417	0	10	1	0	1	1	327	10	20	831
11:30 AM	12	0	17	8	480	0	5	0	0	0	0	353	12	19	906
11:45 AM	21	0	15	12	461	1	9	1	0	0	0	351	15	21	907
Total	73	0	59	37	1743	1	51	3	0	1	1	1327	45	77	3398
12:00 PM	19	0	9	13	476	0	6	0	0	0	0	353	18	23	917
12:15 PM	17	0	13	11	459	0	8	0	0	0	0	353	17	21	899
12:30 PM	26	0	12	8	509	0	5	1	0	0	1	371	15	18	966
12:45 PM	18	0	16	8	459	0	5	0	0	0	2	421	17	19	965
Total	80	0	50	40	1903	0	24	1	0	0	3	1498	67	81	3747
01:00 PM	26	0	6	7	480	1	4	1	0	0	0	396	15	23	959
01:15 PM	20	0	15	7	526	0	6	2	0	1	1	357	13	23	971
01:30 PM	20	0	10	3	465	0	4	0	0	0	0	401	15	28	946
01:45 PM	15	0	8	2	537	0	2	0	0	0	0	416	10	21	1011
Total	81	0	39	19	2008	1	16	3	0	1	1	1570	53	95	3887
Grand Total	234	0	148	96	5654	2	71	7	0	2	5	4395	165	253	11032
Apprch %	61.3	0	38.7	1.6	97.1	0	1.2	77.8	0	22.2	0.1	91.2	3.4	5.3	
Total %	2.1	0	1.3	0.9	51.3	0	0.6	0.1	0	0	0	39.8	1.5	2.3	
Cars	232	0	146	95	5594	2	69	7	0	2	5	4344	164	252	10912
% Cars	99.1	0	98.6	99	98.9	100	97.2	100	0	100	100	98.8	99.4	99.6	98.9
Heavy Vehicles	2	0	2	1	60	0	2	0	0	0	0	51	1	1	120
% Heavy Vehicles	0.9	0	1.4	1	1.1	0	2.8	0	0	0	0	1.2	0.6	0.4	1.1

Start Time	Overbrook Drive From North			Worcester Road (Route 9) From East				Parking Lot From South			Worcester Road (Route 9) From West				Int. Total				
	Right	Thru	Left	App. Total	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	App. Total	Right	Thru	Left	U-Turn	App. Total	
<b>Peak Hour Analysis From 11:00 AM to 01:45 PM - Peak 1 of 1</b>																			
<b>Peak Hour for Entire Intersection Begins at 01:00 PM</b>																			
01:00 PM	26	0	6	32	7	480	1	4	492	1	0	0	1	0	396	15	23	434	959
01:15 PM	20	0	15	35	7	526	0	6	539	2	0	1	3	1	357	13	23	394	971
01:30 PM	20	0	10	30	3	465	0	4	472	0	0	0	0	0	401	15	28	444	946
01:45 PM	15	0	8	23	2	537	0	2	541	0	0	0	0	0	416	10	21	447	1011
Total Volume	81	0	39	120	19	2008	1	16	2044	3	0	1	4	1	1570	53	95	1719	3887
% App. Total	67.5	0	32.5	0.9	98.2	0	0.8	0.75	0	25	0.1	91.3	3.1	5.5					
PHF	.779	.000	.650	.857	.679	.935	.250	.667	.945	.375	.000	.250	.333	.250	.944	.883	.848	.961	.961
Cars	81	0	38	119	19	1991	1	16	2027	3	0	1	4	1	1554	52	95	1702	3852
% Cars	100	0	97.4	99.2	100	99.2	100	100	99.2	100	0	100	100	100	99.0	98.1	100	99.0	99.1
Heavy Vehicles	0	0	1	1	0	17	0	0	17	0	0	0	0	0	16	1	0	17	35
% Heavy Vehicles	0	0	2.6	0.8	0	0.8	0	0	0.8	0	0	0	0	0	1.0	1.9	0	1.0	0.9



PRECISION  
DATA  
INDUSTRIES, LLC

P.O. Box 301 Berlin, MA 01503  
Office: 508.481.3999 Fax: 508.545.1234  
Email: datarequests@pdilic.com

N/S: Overbrook Drive/ Parkling Lot  
E/W: Worcester Road (Route 9)  
City, State: Wellesley, MA  
Client: VHB/ A. Cloutier

File Name : 81540AA  
Site Code : 09733.26  
Start Date : 4/5/2008  
Page No : 1

Groups Printed- Heavy Vehicles

	Overbrook Drive From North			Worcester Road (Route 9) From East				Parking Lot From South			Worcester Road (Route 9) From West				
Start Time	Right	Thru	Left	Right	Thru	Left	U-Turn	Right	Thru	Left	Right	Thru	Left	U-Turn	Int. Total
11:00 AM	1	0	0	0	2	0	0	0	0	0	0	2	0	0	5
11:15 AM	0	0	0	1	9	0	0	0	0	0	0	3	0	0	13
11:30 AM	1	0	1	0	7	0	0	0	0	0	0	8	0	1	18
11:45 AM	0	0	0	0	5	0	1	0	0	0	0	7	0	0	13
Total	2	0	1	1	23	0	1	0	0	0	0	20	0	1	49
12:00 PM	0	0	0	0	2	0	0	0	0	0	0	5	0	0	7
12:15 PM	0	0	0	0	6	0	1	0	0	0	0	4	0	0	11
12:30 PM	0	0	0	0	8	0	0	0	0	0	0	4	0	0	12
12:45 PM	0	0	0	0	4	0	0	0	0	0	0	2	0	0	6
Total	0	0	0	0	20	0	1	0	0	0	0	15	0	0	36
01:00 PM	0	0	0	0	4	0	0	0	0	0	0	4	0	0	8
01:15 PM	0	0	0	0	6	0	0	0	0	0	0	3	0	0	9
01:30 PM	0	0	1	0	3	0	0	0	0	0	0	5	1	0	10
01:45 PM	0	0	0	0	4	0	0	0	0	0	0	4	0	0	8
Total	0	0	1	0	17	0	0	0	0	0	0	16	1	0	35
Grand Total	2	0	2	1	60	0	2	0	0	0	0	51	1	1	120
Apprch %	50	0	50	1.6	95.2	0	3.2	0	0	0	0	96.2	1.9	1.9	
Total %	1.7	0	1.7	0.8	50	0	1.7	0	0	0	0	42.5	0.8	0.8	

	Overbrook Drive From North				Worcester Road (Route 9) From East				Parking Lot From South				Worcester Road (Route 9) From West						
Start Time	Right	Thru	Left	App. Total	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	App. Total	Right	Thru	Left	U-Turn	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 01:45 PM - Peak 1 of 1																			
Peak Hour for Entire Intersection Begins at 11:15 AM																			
11:15 AM	0	0	0	0	1	9	0	0	10	0	0	0	0	0	3	0	0	3	13
11:30 AM	1	0	1	2	0	7	0	0	7	0	0	0	0	0	8	0	1	9	18
11:45 AM	0	0	0	0	0	5	0	1	6	0	0	0	0	0	7	0	0	7	13
12:00 PM	0	0	0	0	0	2	0	0	2	0	0	0	0	0	5	0	0	5	7
Total Volume	1	0	1	2	1	23	0	1	25	0	0	0	0	0	23	0	1	24	51
% App. Total	50	0	50		4	92	0	4		0	0	0	0	0	95.8	0	4.2		
PHF	.250	.000	.250	.250	.250	.639	.000	.250	.625	.000	.000	.000	.000	.000	.719	.000	.250	.667	.708



N/S: Overbrook Drive/ Parkling Lot  
 E/W: Worcester Road (Route 9)  
 City, State: Wellesley, MA  
 Client: VHB/ A. Cloutier

P.O. Box 301 Berlin, MA 01503  
 Office: 508.481.3999 Fax: 508.545.1234  
 Email: datarequests@pdilc.com

File Name : 81540AA  
 Site Code : 09733.26  
 Start Date : 4/5/2008  
 Page No : 1

Groups Printed- Peds and Bicycles

Start Time	Overbrook Drive From North				Worcester Road (Route 9) From East				Parking Lot From South				Worcester Road (Route 9) From West				Int. Total
	Right	Thru	Left	Peds	Right	Thru	Left	Peds	Right	Thru	Left	Peds	Right	Thru	Left	Peds	
11:00 AM	0	0	0	6	0	0	0	0	0	0	0	1	0	0	0	0	7
11:15 AM	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2
11:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	8	0	0	0	0	0	0	0	1	0	0	0	0	9
12:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:45 PM	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	4
Total	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	4
Grand Total	0	0	0	10	0	0	0	0	0	0	1	0	0	0	0	2	13
Apprch %	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	0	100
Total %	0	0	0	76.9	0	0	0	0	0	0	0	7.7	0	0	0	0	15.4

Start Time	Overbrook Drive From North				Worcester Road (Route 9) From East				Parking Lot From South				Worcester Road (Route 9) From West				Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total		
Peak Hour Analysis From 11:00 AM to 01:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 11:00 AM																	
11:00 AM	0	0	0	6	6	0	0	0	0	0	0	1	1	0	0	0	7
11:15 AM	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	2
11:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Volume	0	0	0	8	8	0	0	0	0	0	0	1	1	0	0	0	9
% App. Total	0	0	0	100	100	0	0	0	0	0	0	100	0	0	0	0	100
PHF	.000	.000	.000	.333	.333	.000	.000	.000	.000	.000	.000	.250	.250	.000	.000	.000	.321



PRECISION  
DATA  
INDUSTRIES, LLC

P.O. Box 301 Berlin, MA 01503  
Office: 508.481.3999 Fax: 508.545.1234  
Email: datarequests@pdilc.com

N: Amherst Avenue (Route 9 WB Ramp)  
E/W: Worcester Road (Route 9)  
City, State: Wellesley, MA  
Client: VHB/ A. Cloutier

File Name : 81540B  
Site Code : 09733.26  
Start Date : 4/3/2008  
Page No : 1

Groups Printed- Cars - Heavy Vehicles

	Amherst Avenue (Route 9 WB Ramp) From North		Worcester Road (Route 9) From East			Worcester Road (Route 9) From West		
Start Time	Right	Left	Right	Thru	Thru	Left	Int. Total	
04:00 PM	24	0	30	525	427	0	1006	
04:15 PM	33	0	23	536	469	0	1061	
04:30 PM	15	0	26	492	476	0	1009	
04:45 PM	15	0	35	559	509	0	1118	
Total	87	0	114	2112	1881	0	4194	
05:00 PM	16	0	29	509	572	0	1126	
05:15 PM	19	0	24	491	511	0	1045	
05:30 PM	23	0	34	470	534	0	1061	
05:45 PM	23	0	38	471	523	0	1055	
Total	81	0	125	1941	2140	0	4287	
Grand Total	168	0	239	4053	4021	0	8481	
Apprch %	100	0	5.6	94.4	100	0		
Total %	2	0	2.8	47.8	47.4	0		
Cars	164	0	232	3980	3972	0	8348	
% Cars	97.6	0	97.1	98.2	98.8	0	98.4	
Heavy Vehicles	4	0	7	73	49	0	133	
% Heavy Vehicles	2.4	0	2.9	1.8	1.2	0	1.6	

	Amherst Avenue (Route 9 WB Ramp) From North			Worcester Road (Route 9) From East			Worcester Road (Route 9) From West			
Start Time	Right	Left	App. Total	Right	Thru	App. Total	Thru	Left	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1										
Peak Hour for Entire Intersection Begins at 04:45 PM										
04:45 PM	15	0	15	35	559	594	509	0	509	1118
05:00 PM	16	0	16	29	509	538	572	0	572	1126
05:15 PM	19	0	19	24	491	515	511	0	511	1045
05:30 PM	23	0	23	34	470	504	534	0	534	1061
Total Volume	73	0	73	122	2029	2151	2126	0	2126	4350
% App. Total	100	0		5.7	94.3		100	0		
PHF	.793	.000	.793	.871	.907	.905	.929	.000	.929	.966
Cars	71	0	71	119	1997	2116	2103	0	2103	4290
% Cars	97.3	0	97.3	97.5	98.4	98.4	98.9	0	98.9	98.6
Heavy Vehicles	2	0	2	3	32	35	23	0	23	60
% Heavy Vehicles	2.7	0	2.7	2.5	1.6	1.6	1.1	0	1.1	1.4



N: Amherst Avenue (Route 9 WB Ramp)  
 E/W: Worcester Road (Route 9)  
 City, State: Wellesley, MA  
 Client: VHB/ A. Cloutier

P.O.Box 301 Berlin, MA 01503  
 Office: 508.481.3999 Fax: 508.545.1234  
 Email: datarequests@pdilic.com

File Name : 81540B  
 Site Code : 09733.26  
 Start Date : 4/3/2008  
 Page No : 1

**Groups Printed- Heavy Vehicles**

Start Time	Amherst Avenue (Route 9 WB Ramp) From North		Worcester Road (Route 9) From East		Worcester Road (Route 9) From West		Int. Total
	Right	Left	Right	Thru	Thru	Left	
04:00 PM	0	0	1	12	10	0	23
04:15 PM	1	0	0	11	8	0	20
04:30 PM	1	0	1	10	3	0	15
04:45 PM	0	0	1	9	11	0	21
Total	2	0	3	42	32	0	79
05:00 PM	1	0	2	8	7	0	18
05:15 PM	1	0	0	8	1	0	10
05:30 PM	0	0	0	7	4	0	11
05:45 PM	0	0	2	8	5	0	15
Total	2	0	4	31	17	0	54
Grand Total	4	0	7	73	49	0	133
Apprch %	100	0	8.8	91.2	100	0	
Total %	3	0	5.3	54.9	36.8	0	

Start Time	Amherst Avenue (Route 9 WB Ramp) From North			Worcester Road (Route 9) From East			Worcester Road (Route 9) From West			Int. Total
	Right	Left	App. Total	Right	Thru	App. Total	Thru	Left	App. Total	
<b>Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1</b>										
<b>Peak Hour for Entire Intersection Begins at 04:00 PM</b>										
04:00 PM	0	0	0	1	12	13	10	0	10	23
04:15 PM	1	0	1	0	11	11	8	0	8	20
04:30 PM	1	0	1	1	10	11	3	0	3	15
04:45 PM	0	0	0	1	9	10	11	0	11	21
Total Volume	2	0	2	3	42	45	32	0	32	79
% App. Total	100	0		6.7	93.3		100	0		
PHF	.500	.000	.500	.750	.875	.865	.727	.000	.727	.859



PRECISION  
DATA  
INDUSTRIES, LLC

P.O. Box 301 Berlin, MA 01503  
Office: 508.481.3999 Fax: 508.545.1234  
Email: datarequests@pdilc.com

N: Amherst Avenue (Route 9 WB Ramp)  
E/W: Worcester Road (Route 9)  
City, State: Wellesley, MA  
Client: VHB/ A. Cloutier

File Name : 81540B  
Site Code : 09733.26  
Start Date : 4/3/2008  
Page No : 1

**Groups Printed- Peds and Bicycles**

	Amherst Avenue (Route 9 WB Ramp)				Worcester Road (Route 9)			Worcester Road (Route 9)			Int. Total
	From North			From East	From West		From West				
Start Time	Right	Left	Peds	Right	Thru	Peds	Thru	Left	Peds		
04:00 PM	0	0	0	0	0	0	0	0	0	0	0
04:15 PM	0	0	0	0	0	0	1	0	0	0	1
04:30 PM	0	0	0	0	0	0	0	0	0	0	0
04:45 PM	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	1	0	0	0	1
05:00 PM	0	0	0	0	0	0	0	0	0	0	0
05:15 PM	0	0	0	0	0	0	1	0	0	0	1
05:30 PM	0	0	0	0	0	0	0	0	0	0	0
05:45 PM	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	1	0	0	0	1
Grand Total	0	0	0	0	0	0	2	0	0	0	2
Apprch %	0	0	0	0	0	0	100	0	0	0	0
Total %	0	0	0	0	0	0	100	0	0	0	0

	Amherst Avenue (Route 9 WB Ramp)				Worcester Road (Route 9)				Worcester Road (Route 9)				Int. Total
	From North			From East	From West		From West	From West	From West	From West	From West	From West	
Start Time	Right	Left	Peds	App. Total	Right	Thru	Peds	App. Total	Thru	Left	Peds	App. Total	
<b>Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1</b>													
<b>Peak Hour for Entire Intersection Begins at 04:00 PM</b>													
04:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
04:15 PM	0	0	0	0	0	0	0	0	1	0	0	1	1
04:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
04:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Volume	0	0	0	0	0	0	0	0	1	0	0	1	1
% App. Total	0	0	0	0	0	0	0	0	100	0	0	0	0
PHF	.000	.000	.000	.000	.000	.000	.000	.000	.250	.000	.000	.250	.250



PRECISION  
DATA  
INDUSTRIES,LLC

N: Amherst Avenue (Route 9 WB Ramp)  
E/W: Worcester Road (Route 9)  
City, State: Wellesley, MA  
Client: VHB/ A. Cloutier

P.O. Box 301 Berlin, MA 01503  
Office: 508.481.3999 Fax: 508.545.1234  
Email: datarequests@pdillc.com

File Name : 81540BB  
Site Code : 09733.26  
Start Date : 4/5/2008  
Page No : 1

Groups Printed- Cars - Heavy Vehicles

	Amherst Avenue (Route 9 WB Ramp) From North		Worcester Road (Route 9) From East			Worcester Road (Route 9) From West		
Start Time	Right	Left	Right	Thru	Thru	Left	Int. Total	
11:00 AM	32	0	41	412	288	0	773	
11:15 AM	38	0	22	402	345	0	807	
11:30 AM	32	0	25	420	333	0	810	
11:45 AM	34	0	18	460	377	0	889	
Total	136	0	106	1694	1343	0	3279	
12:00 PM	30	0	25	464	395	0	914	
12:15 PM	31	0	18	473	392	0	914	
12:30 PM	24	0	21	510	401	0	956	
12:45 PM	33	0	31	475	426	0	965	
Total	118	0	95	1922	1614	0	3749	
01:00 PM	32	0	28	523	421	0	1004	
01:15 PM	34	0	22	490	379	0	925	
01:30 PM	34	0	31	464	424	0	953	
01:45 PM	25	0	26	500	440	0	991	
Total	125	0	107	1977	1664	0	3873	
Grand Total	379	0	308	5593	4621	0	10901	
Apprch %	100	0	5.2	94.8	100	0		
Total %	3.5	0	2.8	51.3	42.4	0		
Cars	377	0	305	5539	4583	0	10804	
% Cars	99.5	0	99	99	99.2	0	99.1	
Heavy Vehicles	2	0	3	54	38	0	97	
% Heavy Vehicles	0.5	0	1	1	0.8	0	0.9	

	Amherst Avenue (Route 9 WB Ramp) From North			Worcester Road (Route 9) From East			Worcester Road (Route 9) From West			
Start Time	Right	Left	App. Total	Right	Thru	App. Total	Thru	Left	App. Total	Int. Total
<b>Peak Hour Analysis From 11:00 AM to 01:45 PM - Peak 1 of 1</b>										
<b>Peak Hour for Entire Intersection Begins at 01:00 PM</b>										
01:00 PM	32	0	32	28	523	551	421	0	421	1004
01:15 PM	34	0	34	22	490	512	379	0	379	925
01:30 PM	34	0	34	31	464	495	424	0	424	953
01:45 PM	25	0	25	26	500	526	440	0	440	991
Total Volume	125	0	125	107	1977	2084	1664	0	1664	3873
% App. Total	100	0	5.1	94.9		100	0			
PHF	.919	.000	.919	.863	.945	.946	.945	.000	.945	.964
Cars	125	0	125	107	1963	2070	1652	0	1652	3847
% Cars	100	0	100	100	99.3	99.3	99.3	0	99.3	99.3
Heavy Vehicles	0	0	0	0	14	14	12	0	12	26
% Heavy Vehicles	0	0	0	0	0.7	0.7	0.7	0	0.7	0.7



PRECISION  
DATA  
INDUSTRIES,LLC

P.O. Box 301 Berlin, MA 01503  
Office: 508.481.3999 Fax: 508.545.1234  
Email: datarequests@pdilic.com

N: Amherst Avenue (Route 9 WB Ramp)  
E/W: Worcester Road (Route 9)  
City, State: Wellesley, MA  
Client: VHB/ A. Cloutier

File Name : 81540BB  
Site Code : 09733.26  
Start Date : 4/5/2008  
Page No : 1

**Groups Printed- Heavy Vehicles**

Start Time	Amherst Avenue (Route 9 WB Ramp)		Worcester Road (Route 9)			Worcester Road (Route 9)		Int. Total		
	From North	Right	Left	From East	Right	Thru	From West			
11:00 AM		0	0		0	4		3	0	7
11:15 AM		0	0		0	9		2	0	11
11:30 AM		0	0		1	6		6	0	13
11:45 AM		0	0		0	4		3	0	7
Total		0	0		1	23		14	0	38
12:00 PM		0	0		0	6		3	0	9
12:15 PM		0	0		2	3		3	0	8
12:30 PM		2	0		0	4		4	0	10
12:45 PM		0	0		0	4		2	0	6
Total		2	0		2	17		12	0	33
01:00 PM		0	0		0	3		3	0	6
01:15 PM		0	0		0	6		1	0	7
01:30 PM		0	0		0	2		5	0	7
01:45 PM		0	0		0	3		3	0	6
Total		0	0		0	14		12	0	26
Grand Total		2	0		3	54		38	0	97
Apprch %	100		0		5.3	94.7		100	0	
Total %	2.1		0		3.1	55.7		39.2	0	

Start Time	Amherst Avenue (Route 9 WB Ramp)			Worcester Road (Route 9)			Worcester Road (Route 9)			Int. Total		
	From North	Right	Left	From East	Right	Thru	From West	Thru	Left			
<b>Peak Hour Analysis From 11:00 AM to 01:45 PM - Peak 1 of 1</b>												
<b>Peak Hour for Entire Intersection Begins at 11:15 AM</b>												
11:15 AM	0	0	0		0	9		9	2	0	2	11
11:30 AM	0	0	0		1	6		7	6	0	6	13
11:45 AM	0	0	0		0	4		4	3	0	3	7
12:00 PM	0	0	0		0	6		6	3	0	3	9
Total Volume	0	0	0		1	25		26	14	0	14	40
% App. Total	0	0			3.8	96.2			100	0		
PHF	.000	.000	.000		.250	.694		.722	.583	.000	.583	.769



**PRECISION  
DATA  
INDUSTRIES, LLC**

N: Amherst Avenue (Route 9 WB Ramp)  
E/W: Worcester Road (Route 9)  
City, State: Wellesley, MA  
Client: VHB / A. Cloutier

P.O. Box 301 Berlin, MA 01503  
Office: 508.481.3999 Fax: 508.545.1234  
Email: datarequests@pdilc.com

File Name : 81540BB  
Site Code : 09733.26  
Start Date : 4/5/2008  
Page No : 1

### **Groups Printed- Peds and Bicycles**



PRECISION  
D A T A  
INDUSTRIES, LLC

P.O. Box 301 Berlin, MA 01503  
Office: 508.481.3999 Fax: 508.545.1234  
Email: datarequests@pdillc.com

N: Service Road (Route 9 WB Ramp)  
E/W: Worcester Road (Route 9)  
City, State: Wellesley, MA  
Client: VHB/ A. Cloutier

File Name : 81540C  
Site Code : 09733.26  
Start Date : 4/3/2008  
Page No : 1

Groups Printed- Cars - Heavy Vehicles

	Service Road (Route 9 WB Ramp) From North		Worcester Road (Route 9) From East		Worcester Road (Route 9) From West		
Start Time	Right	Left	Right	Thru	Thru	Left	Int. Total
04:00 PM	54	0	30	494	0	0	578
04:15 PM	52	0	55	496	0	0	603
04:30 PM	36	0	54	482	0	0	572
04:45 PM	35	0	70	565	0	0	670
Total	177	0	209	2037	0	0	2423
05:00 PM	49	0	73	535	0	0	657
05:15 PM	35	0	52	522	0	0	609
05:30 PM	44	0	52	501	0	0	597
05:45 PM	38	0	70	475	0	0	583
Total	166	0	247	2033	0	0	2446
Grand Total	343	0	456	4070	0	0	4869
Apprch %	100	0	10.1	89.9	0	0	
Total %	7	0	9.4	83.6	0	0	
Cars	339	0	453	3996	0	0	4788
% Cars	98.8	0	99.3	98.2	0	0	98.3
Heavy Vehicles	4	0	3	74	0	0	81
% Heavy Vehicles	1.2	0	0.7	1.8	0	0	1.7

	Service Road (Route 9 WB Ramp) From North			Worcester Road (Route 9) From East			Worcester Road (Route 9) From West			
Start Time	Right	Left	App. Total	Right	Thru	App. Total	Thru	Left	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1										
Peak Hour for Entire Intersection Begins at 04:45 PM										
04:45 PM	35	0	35	70	565	635	0	0	0	670
05:00 PM	49	0	49	73	535	608	0	0	0	657
05:15 PM	35	0	35	52	522	574	0	0	0	609
05:30 PM	44	0	44	52	501	553	0	0	0	597
Total Volume	163	0	163	247	2123	2370	0	0	0	2533
% App. Total	100	0	10.4	89.6			0	0		
PHF	.832	.000	.832	.846	.939	.933	.000	.000	.000	.945
Cars	161	0	161	246	2090	2336	0	0	0	2497
% Cars	98.8	0	98.8	99.6	98.4	98.6	0	0	0	98.6
Heavy Vehicles	2	0	2	1	33	34	0	0	0	36
% Heavy Vehicles	1.2	0	1.2	0.4	1.6	1.4	0	0	0	1.4



N: Service Road (Route 9 WB Ramp)  
 E/W: Worcester Road (Route 9)  
 City, State: Wellesley, MA  
 Client: VHB / A. Cloutier

P.O. Box 301 Berlin, MA 01503  
 Office: 508.481.3999 Fax: 508.545.1234  
 Email: datarequests@pdilc.com

File Name : 81540C  
 Site Code : 09733.26  
 Start Date : 4/3/2008  
 Page No : 1

**Groups Printed- Heavy Vehicles**

Start Time	Service Road (Route 9 WB Ramp)		Worcester Road (Route 9)		Worcester Road (Route 9)		Int. Total
	From North	Right   Left	From East	Right   Thru	From West	Thru   Left	
04:00 PM	1	0	1	10	0	0	12
04:15 PM	0	0	1	11	0	0	12
04:30 PM	1	0	0	11	0	0	12
04:45 PM	1	0	0	8	0	0	9
Total	3	0	2	40	0	0	45
05:00 PM	1	0	0	9	0	0	10
05:15 PM	0	0	0	9	0	0	9
05:30 PM	0	0	1	7	0	0	8
05:45 PM	0	0	0	9	0	0	9
Total	1	0	1	34	0	0	36
Grand Total	4	0	3	74	0	0	81
Apprch %	100	0	3.9	96.1	0	0	
Total %	4.9	0	3.7	91.4	0	0	

Start Time	Service Road (Route 9 WB Ramp)			Worcester Road (Route 9)			Worcester Road (Route 9)			Int. Total	
	From North	Right   Left	App. Total	From East	Right   Thru	App. Total	From West	Thru   Left	App. Total		
<b>Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1</b>											
<b>Peak Hour for Entire Intersection Begins at 04:00 PM</b>											
04:00 PM	1	0	1	1	10	11	0	0	0	12	
04:15 PM	0	0	0	1	11	12	0	0	0	12	
04:30 PM	1	0	1	0	11	11	0	0	0	12	
04:45 PM	1	0	1	0	8	8	0	0	0	9	
Total Volume	3	0	3	2	40	42	0	0	0	45	
% App. Total	100	0		4.8	95.2		0	0			
PHF	.750	.000	.750	.500	.909	.875	.000	.000	.000	.938	



PRECISION  
DATA  
INDUSTRIES, LLC

P.O. Box 301 Berlin, MA 01503  
Office: 508.481.3999 Fax: 508.545.1234  
Email: datarequests@pdillc.com

N: Service Road (Route 9 WB Ramp)  
E/W: Worcester Road (Route 9)  
City, State: Wellesley, MA  
Client: VHB / A. Cloutier

File Name : 81540C  
Site Code : 09733.26  
Start Date : 4/3/2008  
Page No : 1



PRECISION  
DATA  
INDUSTRIES, LLC

P.O. Box 301 Berlin, MA 01503  
Office: 508.481.3999 Fax: 508.545.1234  
Email: datarequests@pdillc.com

N: Service Road (Route 9 WB Ramp)  
E/W: Worcester Road (Route 9)  
City, State: Wellesley, MA  
Client: VHB / A. Cloutier

File Name : 81540CC  
Site Code : 09733.26  
Start Date : 4/5/2008  
Page No : 1

**Groups Printed- Cars - Heavy Vehicles**

	Service Road (Route 9 WB Ramp) From North		Worcester Road (Route 9) From East		Worcester Road (Route 9) From West		<b>Int. Total</b>
	Right	Left	Right	Thru	Thru	Left	
11:00 AM	51	0	27	392	0	0	470
11:15 AM	51	0	39	373	0	0	463
11:30 AM	60	0	26	409	0	0	495
11:45 AM	51	0	33	415	0	0	499
Total	213	0	125	1589	0	0	1927
12:00 PM	71	0	29	410	0	0	510
12:15 PM	67	0	27	431	0	0	525
12:30 PM	54	0	23	473	0	0	550
12:45 PM	62	0	28	441	0	0	531
Total	254	0	107	1755	0	0	2116
01:00 PM	74	0	39	458	0	0	571
01:15 PM	81	0	35	436	0	0	552
01:30 PM	49	0	28	439	0	0	516
01:45 PM	72	0	20	440	0	0	532
Total	276	0	122	1773	0	0	2171
Grand Total	743	0	354	5117	0	0	6214
Apprch %	100	0	6.5	93.5	0	0	
Total %	12	0	5.7	82.3	0	0	
Cars	739	0	349	5065	0	0	6153
% Cars	99.5	0	98.6	99	0	0	99
Heavy Vehicles	4	0	5	52	0	0	61
% Heavy Vehicles	0.5	0	1.4	1	0	0	1

	Service Road (Route 9 WB Ramp) From North			Worcester Road (Route 9) From East			Worcester Road (Route 9) From West			<b>Int. Total</b>	
	Start Time	Right	Left	App. Total	Right	Thru	App. Total	Thru	Left	App. Total	
<b>Peak Hour Analysis From 11:00 AM to 01:45 PM - Peak 1 of 1</b>											
<b>Peak Hour for Entire Intersection Begins at 12:30 PM</b>											
12:30 PM	54	0	54		23	473	496	0	0	0	550
12:45 PM	62	0	62		28	441	469	0	0	0	531
01:00 PM	74	0	74		39	458	497	0	0	0	571
01:15 PM	81	0	81		35	436	471	0	0	0	552
Total Volume	271	0	271		125	1808	1933	0	0	0	2204
% App. Total	100	0			6.5	93.5		0	0		
PHF	.836	.000	.836		.801	.956	.972	.000	.000	.000	.965
Cars	269	0	269		122	1793	1915	0	0	0	2184
% Cars	99.3	0	99.3		97.6	99.2	99.1	0	0	0	99.1
Heavy Vehicles	2	0	2		3	15	18	0	0	0	20
% Heavy Vehicles	0.7	0	0.7		2.4	0.8	0.9	0	0	0	0.9



PRECISION  
DATA  
INDUSTRIES,LLC

P.O. Box 301 Berlin, MA 01503  
Office: 508.481.3999 Fax: 508.545.1234  
Email: datarequests@pdillc.com

N: Service Road (Route 9 WB Ramp)  
E/W: Worcester Road (Route 9)  
City, State: Wellesley, MA  
Client: VHB/ A. Cloutier

File Name : 81540CC  
Site Code : 09733.26  
Start Date : 4/5/2008  
Page No : 1

**Groups Printed- Heavy Vehicles**

Start Time	Service Road (Route 9 WB Ramp) From North		Worcester Road (Route 9) From East			Worcester Road (Route 9) From West			Int. Total
	Right	Left	Right	Thru	Thru	Left			
11:00 AM	0	0	0	4	0	0			4
11:15 AM	0	0	0	9	0	0			9
11:30 AM	0	0	0	7	0	0			7
11:45 AM	0	0	1	3	0	0			4
Total	0	0	1	23	0	0			24
12:00 PM	1	0	0	5	0	0			6
12:15 PM	0	0	1	5	0	0			6
12:30 PM	0	0	0	4	0	0			4
12:45 PM	1	0	0	3	0	0			4
Total	2	0	1	17	0	0			20
01:00 PM	1	0	0	2	0	0			3
01:15 PM	0	0	3	6	0	0			9
01:30 PM	0	0	0	2	0	0			2
01:45 PM	1	0	0	2	0	0			3
Total	2	0	3	12	0	0			17
Grand Total	4	0	5	52	0	0			61
Apprch %	100	0	8.8	91.2	0	0			
Total %	6.6	0	8.2	85.2	0	0			

Start Time	Service Road (Route 9 WB Ramp) From North			Worcester Road (Route 9) From East			Worcester Road (Route 9) From West			Int. Total
	Right	Left	App. Total	Right	Thru	App. Total	Thru	Left	App. Total	
<b>Peak Hour Analysis From 11:00 AM to 01:45 PM - Peak 1 of 1</b>										
<b>Peak Hour for Entire Intersection Begins at 11:15 AM</b>										
11:15 AM	0	0	0	0	9	9	0	0	0	9
11:30 AM	0	0	0	0	7	7	0	0	0	7
11:45 AM	0	0	0	1	3	4	0	0	0	4
12:00 PM	1	0	1	0	5	5	0	0	0	6
Total Volume	1	0	1	1	24	25	0	0	0	26
% App. Total	100	0		4	96		0	0		
PHF	.250	.000	.250	.250	.667	.694	.000	.000	.000	.722



**PRECISION  
DATA  
INDUSTRIES, LLC**

N: Service Road (Route 9 WB Ramp)  
E/W: Worcester Road (Route 9)  
City, State: Wellesley, MA  
Client: VHB / A. Cloutier

P.O. Box 301 Berlin, MA 01503  
Office: 508.481.3999 Fax: 508.545.1234  
Email: datarequests@pdilc.com

File Name : 81540CC  
Site Code : 09733.26  
Start Date : 4/5/2008  
Page No : 1

#### **Groups Printed- Peds and Bicycles**



N/S: Weston Road  
 E/W: Lot/ Worcester Rd (Rt 9) EB Ramp  
 City, State: Wellesley, MA  
 Client: VHB/ A. Cloutier

P.O.Box 301 Berlin, MA 01503  
 Office: 508.481.3999 Fax: 508.545.1234  
 Email: datarequests@pdilc.com

File Name : 81540D  
 Site Code : 09733.26  
 Start Date : 4/3/2008  
 Page No : 1

Groups Printed- Cars - Heavy Vehicles

	Weston Road From North			Parking Lot From East			Weston Road From South			Worcester Road (Route 9) EB Ramp From West			Int. Total
Start Time	Right	Thru	Left	Right	Thru	Left	Right	Thru	Left	Right	Thru	Left	Int. Total
04:00 PM	52	146	0	1	0	1	0	145	18	31	1	25	420
04:15 PM	45	135	0	0	0	0	0	179	18	41	0	28	446
04:30 PM	36	158	2	0	0	0	0	147	14	32	0	26	415
04:45 PM	35	183	0	1	0	0	0	154	18	37	0	32	460
Total	168	622	2	2	0	1	0	625	68	141	1	111	1741
05:00 PM	56	190	0	0	0	0	0	161	24	26	0	31	488
05:15 PM	64	173	0	0	0	1	0	169	25	39	1	26	498
05:30 PM	35	181	1	0	0	0	0	174	14	43	0	27	475
05:45 PM	54	170	1	1	0	0	1	175	14	42	0	34	492
Total	209	714	2	1	0	1	1	679	77	150	1	118	1953
Grand Total	377	1336	4	3	0	2	1	1304	145	291	2	229	3694
Apprch %	22	77.8	0.2	60	0	40	0.1	89.9	10	55.7	0.4	43.9	
Total %	10.2	36.2	0.1	0.1	0	0.1	0	35.3	3.9	7.9	0.1	6.2	
Cars	373	1314	4	3	0	2	1	1290	144	290	2	225	3648
% Cars	98.9	98.4	100	100	0	100	100	98.9	99.3	99.7	100	98.3	98.8
Heavy Vehicles	4	22	0	0	0	0	0	14	1	1	0	4	46
% Heavy Vehicles	1.1	1.6	0	0	0	0	0	1.1	0.7	0.3	0	1.7	1.2

	Weston Road From North				Parking Lot From East				Weston Road From South				Worcester Road (Route 9) EB Ramp From West				
Start Time	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 05:00 PM																	
05:00 PM	56	190	0	246	0	0	0	0	0	161	24	185	26	0	31	57	488
05:15 PM	64	173	0	237	0	0	1	1	0	169	25	194	39	1	26	66	498
05:30 PM	35	181	1	217	0	0	0	0	0	174	14	188	43	0	27	70	475
05:45 PM	54	170	1	225	1	0	0	1	1	175	14	190	42	0	34	76	492
Total Volume	209	714	2	925	1	0	1	2	1	679	77	757	150	1	118	269	1953
% App. Total	22.6	77.2	0.2		50	0	50		0.1	89.7	10.2		55.8	0.4	43.9		
PHF	.816	.939	.500	.940	.250	.000	.250	.500	.250	.970	.770	.976	.872	.250	.868	.885	.980
Cars	208	705	2	915	1	0	1	2	1	674	77	752	149	1	116	266	1935
% Cars	99.5	98.7	100	98.9	100	0	100	100	100	99.3	100	99.3	99.3	100	98.3	98.9	99.1
Heavy Vehicles	1	9	0	10	0	0	0	0	0	5	0	5	1	0	2	3	18
% Heavy Vehicles	0.5	1.3	0	1.1	0	0	0	0	0	0.7	0	0.7	0.7	0	1.7	1.1	0.9



N/S: Weston Road  
 E/W: Lot/ Worcester Rd (Rt 9) EB Ramp  
 City, State: Wellesley, MA  
 Client: VHB / A. Cloutier

P.O. Box 301 Berlin, MA 01503  
 Office: 508.481.3999 Fax: 508.545.1234  
 Email: datarequests@pdilc.com

File Name : 81540D  
 Site Code : 09733.26  
 Start Date : 4/3/2008  
 Page No : 1

**Groups Printed- Heavy Vehicles**

	Weston Road From North			Parking Lot From East			Weston Road From South			Worcester Road (Route 9) EB Ramp From West			
Start Time	Right	Thru	Left	Right	Thru	Left	Right	Thru	Left	Right	Thru	Left	Int. Total
04:00 PM	2	6	0	0	0	0	0	2	1	0	0	0	11
04:15 PM	1	1	0	0	0	0	0	2	0	0	0	0	4
04:30 PM	0	3	0	0	0	0	0	2	0	0	0	1	6
04:45 PM	0	3	0	0	0	0	0	3	0	0	0	1	7
Total	3	13	0	0	0	0	0	9	1	0	0	2	28
05:00 PM	0	5	0	0	0	0	0	3	0	0	0	1	9
05:15 PM	0	2	0	0	0	0	0	1	0	0	0	1	4
05:30 PM	0	1	0	0	0	0	0	1	0	1	0	0	3
05:45 PM	1	1	0	0	0	0	0	0	0	0	0	0	2
Total	1	9	0	0	0	0	0	5	0	1	0	2	18
Grand Total	4	22	0	0	0	0	0	14	1	1	0	4	46
Apprch %	15.4	84.6	0	0	0	0	0	93.3	6.7	20	0	80	
Total %	8.7	47.8	0	0	0	0	0	30.4	2.2	2.2	0	8.7	

	Weston Road From North				Parking Lot From East				Weston Road From South				Worcester Road (Route 9) EB Ramp From West				
Start Time	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Int. Total
<b>Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1</b>																	
<b>Peak Hour for Entire Intersection Begins at 04:00 PM</b>																	
04:00 PM	2	6	0	8	0	0	0	0	0	2	1	3	0	0	0	0	11
04:15 PM	1	1	0	2	0	0	0	0	0	2	0	2	0	0	0	0	4
04:30 PM	0	3	0	3	0	0	0	0	0	2	0	2	0	0	1	1	6
04:45 PM	0	3	0	3	0	0	0	0	0	3	0	3	0	0	1	1	7
Total Volume	3	13	0	16	0	0	0	0	0	9	1	10	0	0	2	2	28
% App. Total	18.8	81.2	0		0	0	0		0	90	10		0	0	100		
PHF	.375	.542	.000	.500	.000	.000	.000	.000	.000	.750	.250	.833	.000	.000	.500	.500	.636



N/S: Weston Road  
 E/W: Lot/ Worcester Rd (Rt 9) EB Ramp  
 City, State: Wellesley, MA  
 Client: VHB/ A. Cloutier

P.O. Box 301 Berlin, MA 01503  
 Office: 508.481.3999 Fax: 508.545.1234  
 Email: datarequests@pdilc.com

File Name : 81540D  
 Site Code : 09733.26  
 Start Date : 4/3/2008  
 Page No : 1

**Groups Printed- Peds and Bicycles**

Start Time	Weston Road From North				Parking Lot From East				Weston Road From South				Worcester Road (Route 9) EB Ramp From West				Int. Total
	Right	Thru	Left	Peds	Right	Thru	Left	Peds	Right	Thru	Left	Peds	Right	Thru	Left	Peds	
04:00 PM	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	2	3
04:15 PM	0	2	0	0	0	0	0	0	0	1	0	0	0	0	0	3	6
04:30 PM	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	2	3
04:45 PM	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	2	4
Total	0	3	0	0	0	0	0	2	0	2	0	0	0	0	0	9	16
05:00 PM	0	1	0	1	0	0	0	0	0	1	0	0	0	0	0	0	3
05:15 PM	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	2
05:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:45 PM	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
Total	0	1	0	1	0	0	0	2	0	2	0	0	0	0	0	0	6
Grand Total	0	4	0	1	0	0	0	4	0	4	0	0	0	0	0	9	22
Apprch %	0	80	0	20	0	0	0	100	0	100	0	0	0	0	0	100	
Total %	0	18.2	0	4.5	0	0	0	18.2	0	18.2	0	0	0	0	0	40.9	

Start Time	Weston Road From North				Parking Lot From East				Weston Road From South				Worcester Road (Route 9) EB Ramp From West				Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total	
<b>Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1</b>																	
<b>Peak Hour for Entire Intersection Begins at 04:00 PM</b>																	
04:00 PM	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	2	3
04:15 PM	0	2	0	0	2	0	0	0	0	0	1	0	0	1	0	0	3
04:30 PM	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	2
04:45 PM	0	1	0	0	1	0	0	0	1	1	0	0	0	0	0	2	4
Total Volume	0	3	0	0	3	0	0	0	2	2	0	0	0	2	0	0	9
% App. Total	0	100	0	0	0	0	0	0	100	0	100	0	0	0	0	0	100
PHF	.000	.375	.000	.000	.375	.000	.000	.000	.500	.500	.000	.500	.000	.500	.000	.750	.667



PRECISION  
DATA  
INDUSTRIES, LLC

N/S: Weston Road  
E/W: Lot/ Worcester Rd (Rt 9) EB Ramp  
City, State: Wellesley, MA  
Client: VHB/ A. Cloutier

P.O. Box 301 Berlin, MA 01503  
Office: 508.481.3999 Fax: 508.545.1234  
Email: datarequests@pdilc.com

File Name : 81540DD  
Site Code : 09733.26  
Start Date : 4/5/2008  
Page No : 1

Groups Printed- Cars - Heavy Vehicles

	Weston Road From North			Parking Lot From East			Weston Road From South			Worcester Road (Route 9) EB Ramp From West			
Start Time	Right	Thru	Left	Right	Thru	Left	Right	Thru	Left	Right	Thru	Left	Int. Total
11:00 AM	45	134	0	0	0	0	0	192	22	34	0	21	448
11:15 AM	38	122	0	0	0	0	0	157	21	27	1	23	389
11:30 AM	33	122	0	0	1	0	0	178	22	42	0	12	410
11:45 AM	45	116	0	0	0	0	0	183	32	47	0	20	443
Total	161	494	0	0	1	0	0	710	97	150	1	76	1690
12:00 PM	21	91	0	0	0	0	0	211	21	21	0	22	387
12:15 PM	32	143	0	0	1	0	1	234	17	22	0	27	477
12:30 PM	33	118	1	0	0	0	0	197	10	37	0	28	424
12:45 PM	53	135	0	0	0	0	0	225	9	46	0	28	496
Total	139	487	1	0	1	0	1	867	57	126	0	105	1784
01:00 PM	50	122	0	0	0	1	0	226	27	41	0	16	483
01:15 PM	39	132	0	0	0	1	0	200	10	45	0	31	458
01:30 PM	26	126	0	0	0	0	0	201	31	44	0	25	453
01:45 PM	28	132	0	0	0	0	0	205	17	40	0	28	450
Total	143	512	0	0	0	2	0	832	85	170	0	100	1844
Grand Total	443	1493	1	0	2	2	1	2409	239	446	1	281	5318
Apprch %	22.9	77.1	0.1	0	50	50	0	90.9	9	61.3	0.1	38.6	
Total %	8.3	28.1	0	0	0	0	0	45.3	4.5	8.4	0	5.3	
Cars	434	1484	1	0	2	2	1	2399	235	444	1	279	5282
% Cars	98	99.4	100	0	100	100	100	99.6	98.3	99.6	100	99.3	99.3
Heavy Vehicles	9	9	0	0	0	0	0	10	4	2	0	2	36
% Heavy Vehicles	2	0.6	0	0	0	0	0	0.4	1.7	0.4	0	0.7	0.7

	Weston Road From North				Parking Lot From East				Weston Road From South				Worcester Road (Route 9) EB Ramp From West				
Start Time	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 01:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 12:45 PM																	
12:45 PM	53	135	0	188	0	0	0	0	0	225	9	234	46	0	28	74	496
01:00 PM	50	122	0	172	0	0	1	1	0	226	27	253	41	0	16	57	483
01:15 PM	39	132	0	171	0	0	1	1	0	200	10	210	45	0	31	76	458
01:30 PM	26	126	0	152	0	0	0	0	0	201	31	232	44	0	25	69	453
Total Volume	168	515	0	683	0	0	2	2	0	852	77	929	176	0	100	276	1890
% App. Total	24.6	75.4	0		0	0	100		0	91.7	8.3		63.8	0	36.2		
PHF	.792	.954	.000	.908	.000	.000	.500	.500	.000	.942	.621	.918	.957	.000	.806	.908	.953
Cars	166	512	0	678	0	0	2	2	0	846	76	922	176	0	99	275	1877
% Cars	98.8	99.4	0	99.3	0	0	100	100	0	99.3	98.7	99.2	100	0	99.0	99.6	99.3
Heavy Vehicles	2	3	0	5	0	0	0	0	0	6	1	7	0	0	1	1	13
% Heavy Vehicles	1.2	0.6	0	0.7	0	0	0	0	0	0.7	1.3	0.8	0	0	1.0	0.4	0.7



**PRECISION  
DATA  
INDUSTRIES, LLC**

P.O. Box 301 Berlin, MA 01503  
Office: 508.481.3999 Fax: 508.545.1234  
Email: datarequests@pdilc.com

N/S: Weston Road  
E/W: Lot/ Worcester Rd (Rt 9) EB Ramp  
City, State: Wellesley, MA  
Client: VHB / A. Cloutier

File Name : 81540DD  
Site Code : 09733.26  
Start Date : 4/5/2008  
Page No : 1

### **Groups Printed- Heavy Vehicles**

	Weston Road From North			Parking Lot From East			Weston Road From South			Worcester Road (Route 9) EB Ramp From West			
Start Time	Right	Thru	Left	Right	Thru	Left	Right	Thru	Left	Right	Thru	Left	Int. Total
11:00 AM	0	0	0	0	0	0	0	0	2	0	0	0	2
11:15 AM	0	0	0	0	0	0	0	1	0	0	0	0	1
11:30 AM	1	2	0	0	0	0	0	1	0	1	0	0	5
11:45 AM	0	1	0	0	0	0	0	0	0	0	0	0	1
Total	1	3	0	0	0	0	0	2	2	1	0	0	9
12:00 PM	2	0	0	0	0	0	0	0	1	0	0	1	4
12:15 PM	2	2	0	0	0	0	0	0	0	0	0	0	4
12:30 PM	0	1	0	0	0	0	0	1	0	1	0	0	3
12:45 PM	1	0	0	0	0	0	0	2	0	0	0	0	3
Total	5	3	0	0	0	0	0	3	1	1	0	1	14
01:00 PM	0	1	0	0	0	0	0	3	1	0	0	0	5
01:15 PM	1	1	0	0	0	0	0	0	0	0	0	1	3
01:30 PM	0	1	0	0	0	0	0	1	0	0	0	0	2
01:45 PM	2	0	0	0	0	0	0	1	0	0	0	0	3
Total	3	3	0	0	0	0	0	5	1	0	0	1	13
Grand Total	9	9	0	0	0	0	0	10	4	2	0	2	36
Apprch %	50	50	0	0	0	0	0	71.4	28.6	50	0	50	
Total %	25	25	0	0	0	0	0	27.8	11.1	5.6	0	5.6	

	Weston Road From North				Parking Lot From East				Weston Road From South				Worcester Road (Route 9) EB Ramp From West				
Start Time	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	InL Total
Peak Hour Analysis From 11:00 AM to 01:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 12:15 PM																	
12:15 PM	2	2	0	4	0	0	0	0	0	0	0	0	0	0	0	0	4
12:30 PM	0	1	0	1	0	0	0	0	0	1	0	1	1	0	0	1	3
12:45 PM	1	0	0	1	0	0	0	0	0	2	0	2	0	0	0	0	3
01:00 PM	0	1	0	1	0	0	0	0	0	3	1	4	0	0	0	0	5
Total Volume	3	4	0	7	0	0	0	0	0	6	1	7	1	0	0	1	15
% App. Total	42.9	57.1	0		0	0	0		0	85.7	14.3		100	0	0		
PHF	.375	.500	.000	.438	.000	.000	.000	.000	.000	.500	.250	.438	.250	.000	.000	.250	.750



N/S: Weston Road  
 E/W: Lot/ Worcester Rd (Rt 9) EB Ramp  
 City, State: Wellesley, MA  
 Client: VHB / A. Cloutier

P.O. Box 301 Berlin, MA 01503  
 Office: 508.481.3999 Fax: 508.545.1234  
 Email: datarequests@pdilc.com

File Name : 81540DD  
 Site Code : 09733.26  
 Start Date : 4/5/2008  
 Page No : 1

Groups Printed- Peds and Bicycles																	
	Weston Road From North				Parking Lot From East				Weston Road From South				Worcester Road (Route 9) EB Ramp From West				
Start Time	Right	Thru	Left	Peds	Right	Thru	Left	Peds	Right	Thru	Left	Peds	Right	Thru	Left	Peds	Int. Total
11:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
11:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:30 AM	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	5	6
11:45 AM	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	2	6
Total	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	8	13
12:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
12:15 PM	0	2	0	0	0	0	0	1	0	1	0	0	0	0	0	1	5
12:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
12:45 PM	0	1	0	0	0	0	0	3	0	0	0	0	0	0	0	0	4
Total	0	3	0	0	0	0	0	4	0	1	0	0	0	0	0	3	11
01:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:15 PM	0	0	0	0	0	0	0	8	0	0	0	0	0	0	0	0	8
01:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	5
Total	0	0	0	0	0	0	0	8	0	0	0	0	0	0	0	5	13
Grand Total	0	3	0	0	0	0	0	17	0	1	0	0	0	0	0	16	37
Apprch %	0	100	0	0	0	0	0	100	0	100	0	0	0	0	0	100	
Total %	0	8.1	0	0	0	0	0	45.9	0	2.7	0	0	0	0	0	43.2	

	Weston Road From North				Parking Lot From East				Weston Road From South				Worcester Road (Route 9) EB Ramp From West				
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total	
Peak Hour Analysis From 11:00 AM to 01:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 11:30 AM																	
11:30 AM	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	5	5
11:45 AM	0	0	0	0	0	0	0	0	4	4	0	0	0	0	0	2	6
12:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
12:15 PM	0	2	0	0	2	0	0	0	1	1	0	1	0	0	1	1	5
Total Volume	0	2	0	0	2	0	0	0	6	6	0	1	0	0	1	0	18
% App. Total	0	100	0	0	0	0	0	0	100	0	0	100	0	0	0	100	
PHF	.000	.250	.000	.000	.250	.000	.000	.000	.375	.375	.000	.250	.000	.000	.250	.750	



PRECISION  
D A T A  
INDUSTRIES, LLC

P.O. Box 301 Berlin, MA 01503  
Office: 508.481.3999 Fax: 508.545.1234  
Email: datarequests@pdillc.com

S: Worcester Road (Route 9) EB Ramp  
E/W: Worcester Road (Route 9)  
City, State: Wellesley, MA  
Client: VHB/ A. Cloutier

File Name : 81540E  
Site Code : 09733.26  
Start Date : 4/3/2008  
Page No : 1

Groups Printed- Cars - Heavy Vehicles

	Worcester Road (Route 9) From East		Worcester Road (Route 9) EB Ramp From South		Worcester Road (Route 9) From West		
Start Time	Thru	Left	Right	Left	Right	Thru	Int. Total
04:00 PM	555	0	75	0	58	372	1060
04:15 PM	577	0	62	0	71	403	1113
04:30 PM	512	0	51	0	58	424	1045
04:45 PM	562	0	54	0	65	456	1137
Total	2206	0	242	0	252	1655	4355
05:00 PM	542	0	77	0	68	488	1175
05:15 PM	496	0	96	0	54	447	1093
05:30 PM	542	0	51	0	65	476	1134
05:45 PM	498	0	71	0	71	428	1068
Total	2078	0	295	0	258	1839	4470
Grand Total	4284	0	537	0	510	3494	8825
Apprch %	100	0	100	0	12.7	87.3	
Total %	48.5	0	6.1	0	5.8	39.6	
Cars	4216	0	530	0	507	3450	8703
% Cars	98.4	0	98.7	0	99.4	98.7	98.6
Heavy Vehicles	68	0	7	0	3	44	122
% Heavy Vehicles	1.6	0	1.3	0	0.6	1.3	1.4

	Worcester Road (Route 9) From East			Worcester Road (Route 9) EB Ramp From South			Worcester Road (Route 9) From West			
Start Time	Thru	Left	App. Total	Right	Left	App. Total	Right	Thru	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1										
Peak Hour for Entire Intersection Begins at 04:45 PM										
04:45 PM	562	0	562	54	0	54	65	456	521	1137
05:00 PM	542	0	542	77	0	77	68	488	556	1175
05:15 PM	496	0	496	96	0	96	54	447	501	1093
05:30 PM	542	0	542	51	0	51	65	476	541	1134
Total Volume	2142	0	2142	278	0	278	252	1867	2119	4539
% App. Total	100	0	100	0			11.9	88.1		
PHF	.953	.000	.953	.724	.000	.724	.926	.956	.953	.966
Cars	2116	0	2116	277	0	277	251	1847	2098	4491
% Cars	98.8	0	98.8	99.6	0	99.6	99.6	98.9	99.0	98.9
Heavy Vehicles	26	0	26	1	0	1	1	20	21	48
% Heavy Vehicles	1.2	0	1.2	0.4	0	0.4	0.4	1.1	1.0	1.1



S: Worcester Road (Route 9) EB Ramp  
 E/W: Worcester Road (Route 9)  
 City, State: Wellesley, MA  
 Client: VHB/ A. Cloutier

P.O. Box 301 Berlin, MA 01503  
 Office: 508.481.3999 Fax: 508.545.1234  
 Email: datarequests@pdilc.com

File Name : 81540E  
 Site Code : 09733.26  
 Start Date : 4/3/2008  
 Page No : 1

**Groups Printed- Heavy Vehicles**

Start Time	Worcester Road (Route 9) From East		Worcester Road (Route 9) EB Ramp From South		Worcester Road (Route 9) From West		Int. Total
	Thru	Left	Right	Left	Right	Thru	
04:00 PM	10	0	3	0	1	9	23
04:15 PM	9	0	1	0	0	7	17
04:30 PM	12	0	0	0	1	4	17
04:45 PM	6	0	1	0	0	7	14
Total	37	0	5	0	2	27	71
05:00 PM	9	0	0	0	0	7	16
05:15 PM	6	0	0	0	0	2	8
05:30 PM	5	0	0	0	1	4	10
05:45 PM	11	0	2	0	0	4	17
Total	31	0	2	0	1	17	51
Grand Total	68	0	7	0	3	44	122
Apprch %	100	0	100	0	6.4	93.6	
Total %	55.7	0	5.7	0	2.5	36.1	

Start Time	Worcester Road (Route 9) From East			Worcester Road (Route 9) EB Ramp From South			Worcester Road (Route 9) From West			Int. Total
	Thru	Left	App. Total	Right	Left	App. Total	Right	Thru	App. Total	
<b>Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1</b>										
<b>Peak Hour for Entire Intersection Begins at 04:00 PM</b>										
04:00 PM	10	0	10	3	0	3	1	9	10	23
04:15 PM	9	0	9	1	0	1	0	7	7	17
04:30 PM	12	0	12	0	0	0	1	4	5	17
04:45 PM	6	0	6	1	0	1	0	7	7	14
Total Volume	37	0	37	5	0	5	2	27	29	71
% App. Total	100	0	100	0	0	0	6.9	93.1		
PHF	.771	.000	.771	.417	.000	.417	.500	.750	.725	.772



S: Worcester Road (Route 9) EB Ramp  
 E/W: Worcester Road (Route 9)  
 City, State: Wellesley, MA  
 Client: VHB/ A. Cloutier

P.O. Box 301, Berlin, MA 01503  
 Office: 508.481.3999 Fax: 508.545.1234  
 Email: datarequests@pdilc.com

File Name : 81540E  
 Site Code : 09733.26  
 Start Date : 4/3/2008  
 Page No : 1

**Groups Printed- Peds and Bicycles**

	Worcester Road (Route 9) From East			Worcester Road (Route 9) EB Ramp From South			Worcester Road (Route 9) From West			Int. Total	
	Start Time	Thru	Left	Peds	Right	Left	Peds	Right	Thru	Peds	
04:00 PM		0	0	0	0	0	0	0	0	0	0
04:15 PM		0	0	0	0	0	0	0	1	0	1
04:30 PM		0	0	0	0	0	0	0	0	0	0
04:45 PM		0	0	0	0	0	0	0	0	0	0
Total		0	0	0	0	0	0	0	1	0	1
05:00 PM		0	0	0	0	0	1	0	0	0	1
05:15 PM		0	0	0	0	0	0	0	1	0	1
05:30 PM		0	0	0	0	0	0	0	0	0	0
05:45 PM		0	0	0	0	0	0	0	0	0	0
Total		0	0	0	0	0	1	0	1	0	2
Grand Total		0	0	0	0	0	1	0	2	0	3
Apprch %		0	0	0	0	0	100	0	100	0	0
Total %		0	0	0	0	0	33.3	0	66.7	0	0

	Worcester Road (Route 9) From East				Worcester Road (Route 9) EB Ramp From South				Worcester Road (Route 9) From West				Int. Total	
	Start Time	Thru	Left	Peds	App. Total	Right	Left	Peds	App. Total	Right	Thru	Peds	App. Total	
<b>Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1</b>														
<b>Peak Hour for Entire Intersection Begins at 04:15 PM</b>														
04:15 PM		0	0	0	0	0	0	0	0	0	1	0	1	1
04:30 PM		0	0	0	0	0	0	0	0	0	0	0	0	0
04:45 PM		0	0	0	0	0	0	0	0	0	0	0	0	0
05:00 PM		0	0	0	0	0	0	1	1	0	0	0	0	1
Total Volume		0	0	0	0	0	0	1	1	0	1	0	1	2
% App. Total		0	0	0	0	0	0	100	0	0	100	0	0	0
PHF	.000	.000	.000	.000	.000	.000	.250	.250	.250	.000	.250	.000	.250	.500



S: Worcester Road (Route 9) EB Ramp  
 E/W: Worcester Road (Route 9)  
 City, State: Wellesley, MA  
 Client: VHB / A. Cloutier

PO Box 301 Berlin, MA 01503  
 Office: 508.481.3999 Fax: 508.545.1234  
 Email: datarequests@pdilc.com

File Name : 81540EE  
 Site Code : 09733.26  
 Start Date : 4/5/2008  
 Page No : 1

**Groups Printed- Cars - Heavy Vehicles**

	Worcester Road (Route 9) From East		Worcester Road (Route 9) EB Ramp From South		Worcester Road (Route 9) From West		Int. Total
	Start Time	Thru	Left	Right	Left	Right	
11:00 AM	453	0	65	0	60	258	836
11:15 AM	435	0	63	0	49	310	857
11:30 AM	477	0	59	0	57	335	928
11:45 AM	471	0	78	0	65	312	926
Total	1836	0	265	0	231	1215	3547
12:00 PM	491	0	53	0	61	341	946
12:15 PM	495	0	56	0	53	338	942
12:30 PM	527	0	45	0	68	336	976
12:45 PM	504	0	73	0	72	359	1008
Total	2017	0	227	0	254	1374	3872
01:00 PM	532	0	69	0	66	360	1027
01:15 PM	514	0	47	0	62	322	945
01:30 PM	497	0	54	0	63	368	982
01:45 PM	510	0	46	0	64	355	975
Total	2053	0	216	0	255	1405	3929
Grand Total	5906	0	708	0	740	3994	11348
Apprch %	100	0	100	0	15.6	84.4	
Total %	52	0	6.2	0	6.5	35.2	
Cars	5846	0	698	0	736	3953	11233
% Cars	99	0	98.6	0	99.5	99	99
Heavy Vehicles	60	0	10	0	4	41	115
% Heavy Vehicles	1	0	1.4	0	0.5	1	1

	Worcester Road (Route 9) From East			Worcester Road (Route 9) EB Ramp From South			Worcester Road (Route 9) From West			Int. Total
	Start Time	Thru	Left	App. Total	Right	Left	App. Total	Right	Thru	App. Total
<b>Peak Hour Analysis From 11:00 AM to 01:45 PM - Peak 1 of 1</b>										
<b>Peak Hour for Entire Intersection Begins at 12:45 PM</b>										
12:45 PM	504	0	504	73	0	73	72	359	431	1008
01:00 PM	532	0	532	69	0	69	66	360	426	1027
01:15 PM	514	0	514	47	0	47	62	322	384	945
01:30 PM	497	0	497	54	0	54	63	368	431	982
Total Volume	2047	0	2047	243	0	243	263	1409	1672	3962
% App. Total	100	0		100	0		15.7	84.3		
PHF	.962	.000	.962	.832	.000	.832	.913	.957	.970	.964
Cars	2030	0	2030	240	0	240	262	1397	1659	3929
% Cars	99.2	0	99.2	98.8	0	98.8	99.6	99.1	99.2	99.2
Heavy Vehicles	17	0	17	3	0	3	1	12	13	33
% Heavy Vehicles	0.8	0	0.8	1.2	0	1.2	0.4	0.9	0.8	0.8



S: Worcester Road (Route 9) EB Ramp  
 E/W: Worcester Road (Route 9)  
 City, State: Wellesley, MA  
 Client: VHB/ A. Cloutier

P.O.Box 301 Berlin, MA 01503  
 Office: 508.481.3999 Fax: 508.545.1234  
 Email: datarequests@pdilc.com

File Name : 81540EE  
 Site Code : 09733.26  
 Start Date : 4/5/2008  
 Page No : 1

**Groups Printed- Heavy Vehicles**

Start Time	Worcester Road (Route 9) From East		Worcester Road (Route 9) EB Ramp From South		Worcester Road (Route 9) From West		Int. Total
	Thru	Left	Right	Left	Right	Thru	
11:00 AM	3	0	2	0	0	2	7
11:15 AM	8	0	0	0	0	2	10
11:30 AM	9	0	1	0	1	6	17
11:45 AM	3	0	0	0	0	6	9
Total	23	0	3	0	1	16	43
12:00 PM	7	0	3	0	1	4	15
12:15 PM	4	0	0	0	0	4	8
12:30 PM	5	0	0	0	1	2	8
12:45 PM	6	0	0	0	0	2	8
Total	22	0	3	0	2	12	39
01:00 PM	3	0	2	0	1	3	9
01:15 PM	6	0	1	0	0	2	9
01:30 PM	2	0	0	0	0	5	7
01:45 PM	4	0	1	0	0	3	8
Total	15	0	4	0	1	13	33
Grand Total	60	0	10	0	4	41	115
Apprch %	100	0	100	0	8.9	91.1	
Total %	52.2	0	8.7	0	3.5	35.7	

Start Time	Worcester Road (Route 9) From East			Worcester Road (Route 9) EB Ramp From South			Worcester Road (Route 9) From West			Int. Total
	Thru	Left	App. Total	Right	Left	App. Total	Right	Thru	App. Total	
<b>Peak Hour Analysis From 11:00 AM to 01:45 PM - Peak 1 of 1</b>										
<b>Peak Hour for Entire Intersection Begins at 11:15 AM</b>										
11:15 AM	8	0	8	0	0	0	0	2	2	10
11:30 AM	9	0	9	1	0	1	1	6	7	17
11:45 AM	3	0	3	0	0	0	0	6	6	9
12:00 PM	7	0	7	3	0	3	1	4	5	15
Total Volume	27	0	27	4	0	4	2	18	20	51
% App. Total	100	0	100	0	0	0	10	90		
PHF	.750	.000	.750	.333	.000	.333	.500	.750	.714	.750



PRECISION  
DATA  
INDUSTRIES, LLC

P.O. Box 301 Berlin, MA 01503  
Office: 508.481.3999 Fax: 508.545.1234  
Email: datarequests@pdilc.com

S: Worcester Road (Route 9) EB Ramp  
E/W: Worcester Road (Route 9)  
City, State: Wellesley, MA  
Client: VHB/ A. Cloutier

File Name : 81540EE  
Site Code : 09733.26  
Start Date : 4/5/2008  
Page No : 1

Groups Printed- Peds and Bicycles

Start Time	Worcester Road (Route 9) From East			Worcester Road (Route 9) EB Ramp From South			Worcester Road (Route 9) From West			Int. Total
	Thru	Left	Peds	Right	Left	Peds	Right	Thru	Peds	
11:00 AM	0	0	0	0	0	1	0	0	0	1
11:15 AM	0	0	0	0	0	0	0	0	0	0
11:30 AM	0	0	0	0	0	0	0	0	0	0
11:45 AM	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	1	0	0	0	1
12:00 PM	0	0	0	0	0	0	0	0	0	0
12:15 PM	0	0	0	0	0	0	0	0	0	0
12:30 PM	0	0	0	0	0	0	0	0	0	0
12:45 PM	0	0	0	0	0	1	0	0	0	1
Total	0	0	0	0	0	1	0	0	0	1
01:00 PM	0	0	0	0	0	0	0	0	0	0
01:15 PM	0	0	0	0	0	0	0	0	0	0
01:30 PM	0	0	0	0	0	0	0	0	0	0
01:45 PM	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0
Grand Total	0	0	0	0	0	2	0	0	0	2
Apprch %	0	0	0	0	0	100	0	0	0	0
Total %	0	0	0	0	0	100	0	0	0	0

Start Time	Worcester Road (Route 9) From East			Worcester Road (Route 9) EB Ramp From South			Worcester Road (Route 9) From West			Int. Total	
	Thru	Left	Peds	Right	Left	Peds	Right	Thru	Peds		
<b>Peak Hour Analysis From 11:00 AM to 01:45 PM - Peak 1 of 1</b>											
<b>Peak Hour for Entire Intersection Begins at 11:00 AM</b>											
11:00 AM	0	0	0	0	0	1	1	0	0	0	
11:15 AM	0	0	0	0	0	0	0	0	0	0	
11:30 AM	0	0	0	0	0	0	0	0	0	0	
11:45 AM	0	0	0	0	0	0	0	0	0	0	
Total Volume	0	0	0	0	0	1	1	0	0	1	
% App. Total	0	0	0	0	0	100	0	0	0	0	
PHF	.000	.000	.000	.000	.000	.250	.250	.000	.000	.250	